



**COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM**

**STATE ONLY NATURAL MINOR OPERATING PERMIT**

Issue Date:	May 19, 2022	Effective Date:	December 18, 2023
Revision Date:	December 18, 2023	Expiration Date:	May 18, 2027
Revision Type:	Amendment		

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

**State Only Permit No: 23-00222**

Natural Minor

Federal Tax Id - Plant Code: 23-3093721-1

**Owner Information**

Name: WILLIAMS LOMBARDO FUNERAL HOME INC  
Mailing Address: 33 W BALTIMORE AVE  
CLIFTON HEIGHTS, PA 19018-1404

**Plant Information**

Plant: WILLIAMS LOMBARDO FUNERAL HOME/CLIFTON HEIGHTS  
Location: 23 Delaware County 23818 Clifton Heights Borough  
SIC Code: 7261 Services - Funeral Service And Crematories

**Responsible Official**

Name: JOSEPH F LOMBARDO  
Title: PRES  
Phone: (610) 626 - 2110 Email: williamslombardo@gmail.com

**Permit Contact Person**

Name: JOSEPH F LOMBARDO  
Title: PRES  
Phone: (610) 626 - 2110 Email: williamslombardo@gmail.com

[Signature] \_\_\_\_\_  
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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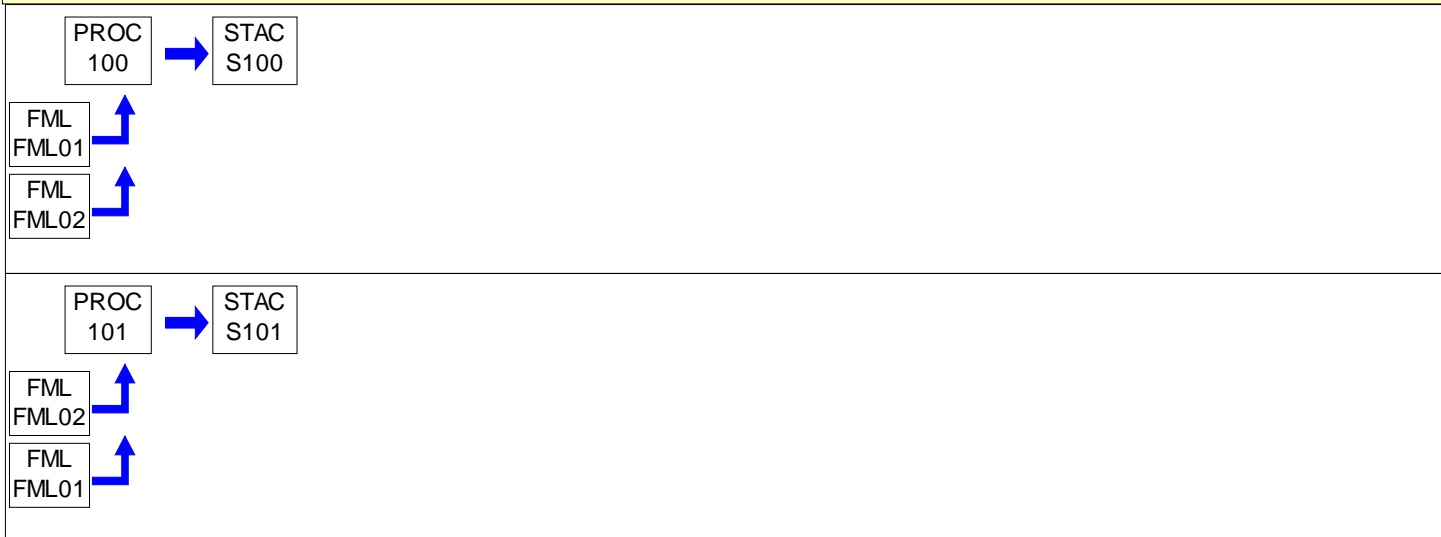
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
100	CREMATOR FOR ANIMAL REMAINS	N/A	NATURAL GAS
		100.000 Lbs/HR	ANIMAL CORPSES
		N/A	LIQUID PROPANE
101	CREMATOR FOR HUMAN REMAINS	200.000 Lbs/HR	HUMAN REMAINS
		N/A	NATURAL GAS
		N/A	PROPANE
FML01	NATURAL GAS		
FML02	LIQUID PROPANE GAS		
S100	ANIMAL CREMATOR STACK		
S101	HUMAN CREMATOR STACK		

**PERMIT MAPS**

**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

**#002 [25 Pa. Code § 127.446]****Operating Permit Duration.**

(a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

**#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]****Permit Renewal.**

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

(c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

**#004 [25 Pa. Code § 127.703]****Operating Permit Fees under Subchapter I.**

(a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.

(1) For a synthetic minor facility, a fee equal to:

(i) Four thousand dollars (\$4,000) for calendar years 2021—2025.

(ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.

(iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

(2) For a facility that is not a synthetic minor, a fee equal to:

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

**#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]****Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

**#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]****Inspection and Entry.**

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

**#007 [25 Pa. Code §§ 127.441 & 127.444]****Compliance Requirements.**

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

**SECTION B. General State Only Requirements**

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

**#008 [25 Pa. Code § 127.441]****Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

**#009 [25 Pa. Code §§ 127.442(a) & 127.461]****Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

**#010 [25 Pa. Code § 127.461]****Revising an Operating Permit for Cause.**

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

**#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]****Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

**SECTION B. General State Only Requirements**

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

**#012 [25 Pa. Code § 127.441]****Severability Clause.**

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

**#013 [25 Pa. Code § 127.449]****De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:



**SECTION B. General State Only Requirements**

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
  - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
  - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
  - (4) Space heaters which heat by direct heat transfer.
  - (5) Laboratory equipment used exclusively for chemical or physical analysis.
  - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
  - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
  - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

**#014 [25 Pa. Code § 127.3]****Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

**#015 [25 Pa. Code § 127.11]****Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

**#016 [25 Pa. Code § 127.36]****Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

**#017 [25 Pa. Code § 121.9]****Circumvention.**

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

**#018 [25 Pa. Code §§ 127.402(d) & 127.442]****Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager  
PA Department of Environmental Protection  
(At the address given in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

**#019 [25 Pa. Code §§ 127.441(c) & 135.5]****Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

**#020 [25 Pa. Code §§ 127.441(c) and 135.5]****Recordkeeping.**

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

**#021 [25 Pa. Code § 127.441(a)]****Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privileges.

**#022 [25 Pa. Code § 127.447]****Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

(a) If the facility is a Synthetic Minor Facility, the permittee shall submit by March 1 of each year an annual emissions report for the preceding calendar year. The report shall include information for all active previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported. All air emissions from the facility should be estimated and reported.

(b) A source owner or operator of a Synthetic Minor Facility may request an extension of time from the Department for the filing of an annual emissions report, and the Department may grant the extension for reasonable cause.

**#024 [25 Pa. Code §135.4]****Report Format**

If applicable, the emissions reports shall contain sufficient information to enable the Department to complete its emission inventory. Emissions reports shall be made by the source owner or operator in a format specified by the Department.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person shall permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. § 4003).

**# 002 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

(a) No person shall permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).
- (9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (i) the emissions are of minor significance with respect to causing air pollution; and
  - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**# 003 [25 Pa. Code §123.2]****Fugitive particulate matter**

The permittee shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1-9) (relating to prohibition of certain fugitive emissions), if such emissions are visible at the point the emissions pass outside the person's property.

**# 004 [25 Pa. Code §123.31]****Limitations**

The permittee shall not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

**# 005 [25 Pa. Code §123.41]****Limitations**

The permittee shall not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any one hour.
- (b) Equal to or greater than 60% at any time.

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §123.42]****Exceptions**

The emission limitations of 25 Pa. Code § 123.41, shall not apply to a visible emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the sources specified in 25 Pa. Code § 123.1(a)(1-9).

**# 007 [25 Pa. Code §129.14]****Open burning operations**

The permittee shall not permit the open burning of material except the following:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set solely for cooking food.
- (e) A fire set solely for recreational or ceremonial purposes.

**II. TESTING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Sections A or G, of this permit, may be in excess of the limitations specified in this permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

**III. MONITORING REQUIREMENTS.****# 009 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions shall be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements.
- (b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall monitor the facility, once per operating day, for the following:
  - (1) Odors which may be objectionable (as per 25 Pa. Code §123.31).
  - (2) Visible Emissions (as per 25 Pa. Code §§123.41 and 123.42).
  - (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).
- (b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

**SECTION C. Site Level Requirements**

- (1) Be investigated;
  - (2) Be reported to the facility management, or individual(s) designated by the permittee;
  - (3) Have appropriate corrective action taken (for emissions that originate on-site); and
  - (4) Be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.
- (d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.
- (e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification, complaints, monitoring results, and/or Department findings.

**IV. RECORDKEEPING REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep a record of all monitoring of odors, visible emissions, and fugitive particulate emissions, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

- (a) The date, time, and location of the incident(s).
- (b) The cause of the event.
- (c) The corrective action taken, if necessary to abate the situation and prevent future occurrences.

**V. REPORTING REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall, within two (2) hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction(s) of the sources or associated air pollution control devices listed in Sections A or G, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or regulation contained in 25 Pa. Code Article III.

(b) Any malfunction(s) which occurs at this facility, and poses an imminent danger to public health, safety, welfare, and the environment, and would violate permit conditions if the source(s) were to continue to operate after the malfunction(s), shall immediately be reported to the Department by telephone at the above number.

(c) A written report shall be submitted to the Department within 2 working days following the notification of the incident, and shall describe, at a minimum, the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. Part 68.]

**SECTION C. Site Level Requirements**

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 C.F.R. Part 68 (relating to chemical accident prevention provisions), and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 C.F.R. Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at a major facility. The permittee shall submit the RMP to the EPA according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
    - (i) Three (3) years after the date on which a regulated substance is first listed in 40 C.F.R. § 68.130.
    - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
  - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 C.F.R. § 68.190.
  - (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 C.F.R. Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 C.F.R. § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances, or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If this facility is subject to 40 C.F.R. Part 68, as part of the certification required under this permit, the permittee shall perform the following:
- (1) Submit a compliance schedule for satisfying the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a).
  - (2) Certify that this facility is in compliance with all requirements of 40 C.F.R. Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 C.F.R. Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for 5 years in accordance with 40 C.F.R. § 68.200.
- (f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 C.F.R. Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to perform either of the following:
- (1) Register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.
  - (2) Submit a compliance schedule or include a statement in an annual compliance certification for the previous year indicating compliance with the requirements of the terms and conditions of this permit and the requirements of Section 112(r) of the Clean Air Act, 40 C.F.R. Part 68, and 25 Pa. Code § 127.512(i).
    - (i) The compliance certification shall include the following:
      - (A) The identification of each term or condition of the permit that is the basis of the certification.
      - (B) The compliance status.



**SECTION C. Site Level Requirements**

(C) The methods used for determining the compliance status of the source, currently and over the reporting period.

(D) Whether compliance was continuous or intermittent.

(ii) The compliance certification should be postmarked or hand-delivered within 30 days of each anniversary date of the date of issuance of this permit.

**VI. WORK PRACTICE REQUIREMENTS.****# 014 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code § 123.1(a)(1-9), shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

(a) Use, where possible, of water or suitable chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(b) Application of asphalt, oil, water, or other suitable chemicals on dirt roads, material stockpiles, and other surfaces which may give rise to airborne dusts.

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A, of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**VIII. COMPLIANCE CERTIFICATION.**

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

**IX. COMPLIANCE SCHEDULE.**

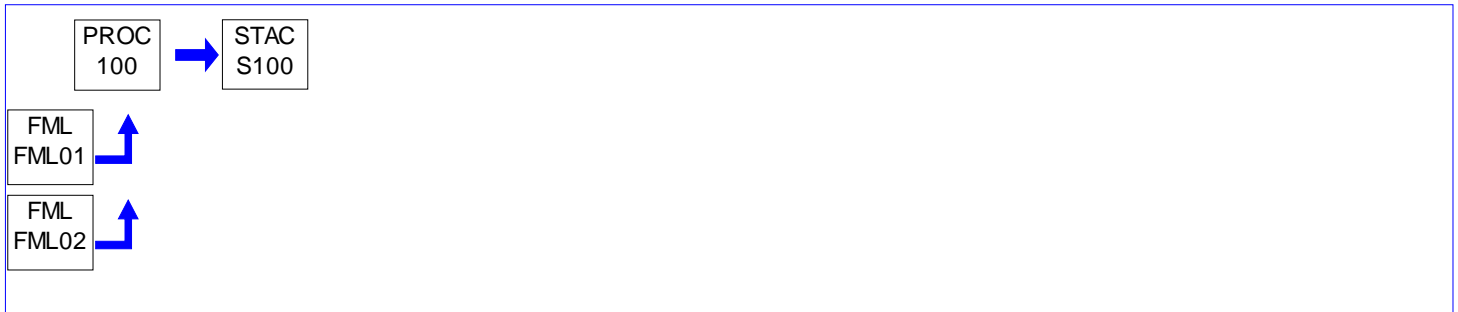
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 100

Source Name: CREMATOR FOR ANIMAL REMAINS

Source Capacity/Throughput:

N/A  
100.000 Lbs/HR  
N/ANATURAL GAS  
ANIMAL CORPSES  
LIQUID PROPANE**I. RESTRICTIONS.****Emission Restriction(s).**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of PM from this crematory unit occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.08 grains per dry standard cubic foot (gr/dscf), corrected to 7% oxygen (O<sub>2</sub>).

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of SO<sub>x</sub> from this crematory unit occurs in such a manner that the concentration of SO<sub>x</sub>, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust gas does not exceed 500 ppmv, dry basis.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this crematory unit occurs in such a manner that the opacity of the emission is neither of the following:

- (a) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour.
- (b) Equal to or greater than 30% at any time.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code § 123.41(1)–(2).]

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain the secondary combustion chamber at a temperature of 1800 °F (as measured at the midpoint of the secondary combustion chamber) prior to charging and throughout the entire cremation cycle. Additionally, the gas residence time shall be greater than one (1) second.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code § 123.31(a)(1).]

**Fuel Restriction(s).**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall only use natural gas or liquid propane as the only fuel consumed by this animal crematory unit.

**SECTION D. Source Level Requirements****Operation Hours Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the total operating time of this animal crematory unit does not exceed 3,744 hours in any consecutive twelve (12)-month period.

**Throughput Restriction(s).****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the incineration rate (i.e., the weight of the charge divided by the duration) of each cremation cycle in this animal crematory unit does not exceed 100 lbs/hr.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**III. MONITORING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor this crematory unit, at least once per cremation cycle, for the following:

- (a) Odors, which the Department may determine to be objectionable, at a point on the property line downwind of the stack (Source ID S100) of the crematory unit.
- (b) Visible air contaminant emissions at the stack of the animal crematory unit.

**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the following operating parameters for this animal crematory unit:

- (a) The time (to the nearest minute) that the crematory unit is turned on, on an operating day basis.
- (b) The weight of the charge (pounds) before each cremation cycle.
- (c) The duration (including starting and ending times to the nearest minute) of each cremation cycle and the duration of each period of time that the loading door is opened for inspection and repositioning of the charge.
- (d) The primary and secondary combustion chamber temperatures (°F), on a continuous basis (from the circular chart recorder).
- (e) The lowest secondary combustion chamber temperature (°F) during each period of time that the loading door is opened for inspection and repositioning of the charge (from the digital display).
- (f) The incineration rate (lbs/hr) of each cremation cycle.
- (g) The hours of operation, compiled/summed on a monthly and 12-month rolling sum.
- (h) The amount of natural gas and propane consumed (mcf or mmcf) on a monthly and 12-month rolling sum.
- (i) Any visible emission observations, via opacity sensor, and any corrective actions.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of the following operating parameters for this animal crematory unit:

- (a) The time (to the nearest minute) that the crematory unit is turned on, on an operating day basis.
- (b) The weight of the charge (pounds) before each cremation cycle.
- (c) The duration (including starting and ending times to the nearest minute) of each cremation cycle and the duration of each period of time that the loading door is opened for inspection and repositioning of the charge.
- (d) The primary and secondary combustion chamber temperatures (°F), on a continuous basis (from the circular chart recorder).
- (e) The lowest secondary combustion chamber temperature (°F) during each period of time that the loading door is opened for inspection and repositioning of the charge (from the digital display).
- (f) The incineration rate (lbs/hr) of each cremation cycle.
- (g) The hours of operation, compiled/summed on a monthly and 12-month rolling sum.
- (h) The amount of natural gas and propane consumed (mcf or mmcf) on a monthly and 12-month rolling sum.
- (i) Any visible emission observations, via opacity sensor, and any corrective actions.

**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain and make available upon request by the Department a copy of the manufacturers' specifications for this animal crematory unit and any associated air pollution control device(s).

**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of all maintenance (i.e., routine and/or preventative maintenance, repairs, adjustments, parts replacements, calibrations, etc.) performed on this animal crematory unit. These records shall include, at a minimum, the following:

- (a) The date of the maintenance.
- (b) The type of maintenance performed.

**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of all operator training performed for this animal crematory unit, as follows:

- (a) The training program content, as specified in Condition # 017(a)–(h), Section D, of this operating permit.
- (b) All operator training certifications.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the firing of the burner in, and the combustion air supplied to, the secondary combustion chamber of this crematory unit are automatically modulated to maintain compliance with the restrictions specified in Condition # 004, Section D, of this operating permit.

**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee may open the loading door to this crematory unit during the cremation cycle to inspect and, if deemed necessary, reposition the charge. However, the permittee is still required to ensure that the crematory unit is operated in compliance with all terms and conditions specified in this operating permit, and that the emission of air contaminants from the crematory unit does not exceed any of the restrictions specified in this plan approval or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Article III.

(b) In addition to the monitoring requirements specified in Condition # 009(a)–(b), Section D, of this operating permit, the permittee shall monitor the crematory unit for visible air contaminant emissions, via the opacity sensor of the crematory unit, whenever the loading door is opened for inspection and repositioning of the charge.

(c) The Department reserves the right to change the requirements specified in Condition #009(a)–(b), at any time, based on, but not limited to, the review of complaints, monitoring results, and/or Department findings.

**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate the burner in the secondary combustion chamber of this animal crematory unit for such periods of time at the end of each cremation cycle sufficient to prevent the emission of any air contaminant in excess of the restrictions specified in this operating permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Article III.

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that this animal crematory unit interlock system that precludes firing of the burner in the primary combustion chamber until the secondary combustion chamber is achieving and maintaining a temperature 1800 °F is operating in accordance with the manufacturer's specifications when operating.

**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall operate and maintain this animal crematory unit and any associated air pollution control device(s) in accordance with the manufacturers' specifications and good air pollution control practices. Sensors shall be located such that flames from the burners do not impinge on the sensors.

(b) The permittee shall ensure that the manufacturer's representative or another qualified technician recalibrates or adjusts the burners of the crematory unit every two (2) years, or following regular or lingering occurrences of visible air contaminant emissions, as determined by the Department, whichever occurs first.

**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the manufacturer's representative or another qualified training source provides adequate instruction/training to each new operator of this animal crematory unit, including the manufacturer's eight-hour training class and hands-on control of the crematory unit for at least one (1) cremation cycle. The complete training program shall include, at a minimum, the following:

- (a) Principles of combustion.
- (b) Operating monitors and controls.
- (c) Operating sequence under normal conditions.

**SECTION D. Source Level Requirements**

(d) Safety and operating procedures under foreseeable upset conditions (e.g., power or fuel interruption, burner malfunction, visible emissions, high and low temperature incidents, etc.).

(e) Regulatory requirements.

(f) Calibration, adjustment, and replacement of thermocouples.

(g) Preventative maintenance practices and procedures and recommended frequency.

(h) Recordkeeping requirements and procedures.

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate and maintain a temperature recording device for this animal crematory unit that meets the following criteria:

(a) Continuously records both the primary and secondary combustion chamber temperatures over the entire temperature range of 0 °F–2250 °F.

**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the opacity sensor of this animal crematory unit is operating at all times and set to alarm at 10% opacity.

**# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that none of the following are charged in this animal crematory unit:

(a) Human carcasses.

(b) Municipal or industrial waste.

(c) Infectious waste.

(d) Hazardous waste.

(e) Radioactive waste.

**# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that this animal crematory unit is attended by a trained operator at all times when the crematory unit is operating.

**VII. ADDITIONAL REQUIREMENTS.****# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source consists of a two-combustion chamber animal crematory unit, model no. IE43-IEB16, manufactured by Matthews Cremation Division. The crematory unit is rated at 100 lbs/hr charging capacity (animal corpses) and is equipped with two natural gas-fired and/or liquid propane burners as follows:

Primary Combustion Chamber: Nozzle mix; natural gas or liquid propane gas, 1 burner with a rated heat input of 0.6 MMBTU/HR

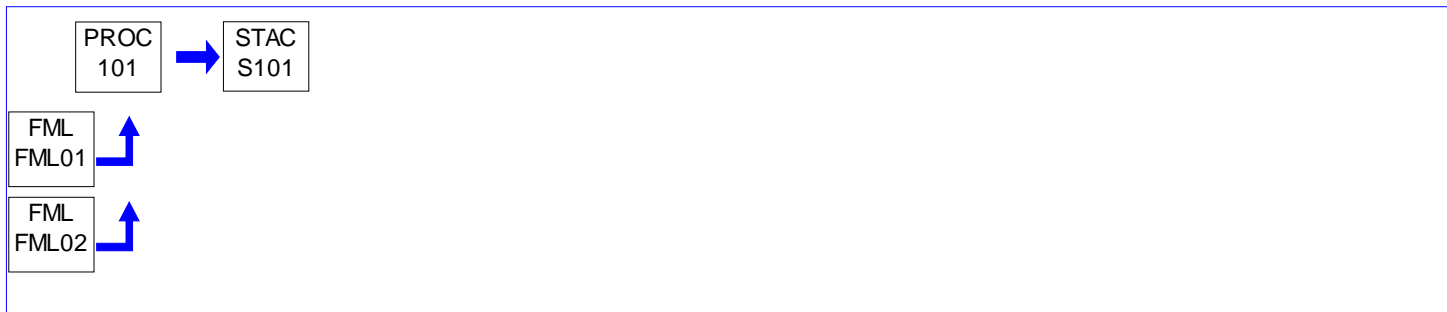
Secondary Combustion Chamber: Nozzle mix; natural gas or liquid propane gas, 1 burner with a rated heat input of 1.2 MMBTU/HR

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: CREMATOR FOR HUMAN REMAINS

Source Capacity/Throughput:	200.000 Lbs/HR	HUMAN REMAINS
	N/A	NATURAL GAS
	N/A	PROPANE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is also derived from 25 Pa. Code § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this crematory unit occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.08 grains per dry standard cubic foot (gr/dscf), corrected to 7% oxygen (O<sub>2</sub>).

**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that emission into the outdoor atmosphere of SO<sub>x</sub> from this crematory unit occurs in such a manner that the concentration of SO<sub>x</sub>, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust gas does not exceed 500 ppmv, dry basis.

**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is also derived from 25 Pa. Code § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this crematory unit occurs in such a manner that the opacity of the emission is neither of the following:

- (a) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour.
- (b) Equal to or greater than 30% at any time.

[Compliance with this streamlined plan approval condition assures compliance with 25 Pa. Code § 123.41(1)-(2).]

**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is also derived from 25 Pa. Code § 127.1.]

The permittee shall maintain the secondary combustion chamber at a temperature of 1800 °F (as measured at the midpoint of the secondary combustion chamber) prior to charging and throughout the entire cremation cycle. Additionally, the gas residence time shall be greater than one (1) second.

[Compliance with this streamlined plan approval condition assures compliance with 25 Pa. Code § 123.31(a)(1).]

**SECTION D. Source Level Requirements****Fuel Restriction(s).****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only use natural gas or liquid propane as the fuel consumed by this human crematory unit.

**Throughput Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the incineration rate (i.e., the weight of the charge divided by the duration) of each cremation cycle in this human crematory unit does not exceed 200 lbs/hr.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**III. MONITORING REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the following operating parameters for this human crematory unit:

- (a) The time (to the nearest minute) that the crematory unit is turned on, on an operating day basis.
- (b) The weight of the charge (pounds) before each cremation cycle.
- (c) The duration (including starting and ending times to the nearest minute) of each cremation cycle and the duration of each period of time that the loading door is opened for inspection and repositioning of the charge.
- (d) The primary and secondary combustion chamber temperatures (°F), on a continuous basis (from the circular chart recorder or equivalent).
- (e) The lowest secondary combustion chamber temperature (°F) during each period of time that the loading door is opened for inspection and repositioning of the charge (from the digital display).
- (f) The incineration rate (lbs/hr) of each cremation cycle.
- (g) The hours of operation, compiled/summed on a monthly basis.
- (h) Any visible emission observations, via opacity sensor, and any corrective actions.

**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor this crematory unit, at least once per cremation cycle, for the following:

- (a) Odors, which the Department may determine to be objectionable, at a point on the property line downwind of the stack (Source ID S101) of the crematory unit.
- (b) Visible air contaminant emissions at the stack of the human crematory unit.

**IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of the following operating parameters for this human crematory unit:



**SECTION D. Source Level Requirements**

- (a) The time (to the nearest minute) that the crematory unit is turned on, on an operating day basis.
- (b) The weight of the charge (pounds) before each cremation cycle.
- (c) The duration (including starting and ending times to the nearest minute) of each cremation cycle and the duration of each period of time that the loading door is opened for inspection and repositioning of the charge.
- (d) The primary and secondary combustion chamber temperatures (°F), on a continuous basis (from the circular chart recorder or equivalent).
- (e) The lowest secondary combustion chamber temperature (°F) during each period of time that the loading door is opened for inspection and repositioning of the charge (from the digital display).
- (f) The incineration rate (lbs/hr) of each cremation cycle.
- (g) The hours of operation, compiled/summed on a monthly basis.
- (h) Any visible emission observations, via opacity sensor, and any corrective actions.

**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain and make available upon request by the Department a copy of the manufacturers' specifications for this human crematory unit and any associated air pollution control device(s).

**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of all maintenance (i.e., routine and/or preventative maintenance, repairs, adjustments, parts replacements, calibrations, etc.) performed on this human crematory unit. These records shall include, at a minimum, the following:

- (a) The date of the maintenance.
- (b) The type of maintenance performed.

**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of all operator training performed for this human crematory unit, as follows:

- (a) The training program content, as specified in Condition # 016(a)–(h), Section D, of this operating permit.
- (b) All operator training certifications.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate the burner in the secondary combustion chamber of this human crematory unit for such periods of time at the end of each cremation cycle sufficient to prevent the emission of any air contaminant in excess of the restrictions specified in this plan approval or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Article III.

**SECTION D. Source Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that this human crematory unit is equipped with an interlock system that precludes firing of the burner in the primary combustion chamber until the secondary combustion chamber is achieving and maintaining a temperature 1800 °F.

**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is also derived from 25 Pa. Code § 127.444.]

(a) The permittee shall operate and maintain this human crematory unit and any associated air pollution control device(s) in accordance with the manufacturers' specifications and good air pollution control practices. Sensors shall be located such that flames from the burners do not impinge on the sensors.

(b) The permittee shall ensure that the manufacturer's representative or another qualified technician recalibrates or adjusts the burners of the crematory unit every two (2) years, or following regular or lingering occurrences of visible air contaminant emissions, as determined by the Department, whichever occurs first.

**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the manufacturer's representative or another qualified training source provides adequate instruction/training to each new operator of this animal crematory unit, including the manufacturer's eight-hour training class and hands-on control of the crematory unit for at least one (1) cremation cycle. The complete training program shall include, at a minimum, the following:

(a) Principles of combustion.

(b) Operating monitors and controls.

(c) Operating sequence under normal conditions.

(d) Safety and operating procedures under foreseeable upset conditions (e.g., power or fuel interruption, burner malfunction, visible emissions, high and low temperature incidents, etc.).

(e) Regulatory requirements.

(f) Calibration, adjustment, and replacement of thermocouples.

(g) Preventative maintenance practices and procedures and recommended frequency.

(h) Recordkeeping requirements and procedures.

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate and maintain a temperature recording device for this human crematory unit that meets the following criteria:

(a) Continuously records both the primary and secondary combustion chamber temperatures over the entire temperature range of 0 °F–2250 °F.

**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the opacity sensor of this human crematory unit is installed and set to alarm at 10% opacity.

**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

The permittee shall ensure that none of the following are charged in this human crematory unit:

- (a) Animal carcasses.
- (b) Municipal or industrial waste.
- (c) Infectious waste.
- (d) Hazardous waste.
- (e) Radioactive waste.

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that this human crematory unit is attended by a trained operator at all times when the crematory unit is operating.

**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the firing of the burner in, and the combustion air supplied to, the secondary combustion chamber of this crematory unit are automatically modulated to maintain compliance with the restrictions specified in Condition # 004, Section D, of this operating permit.

**# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee may open the loading door to this crematory unit during the cremation cycle to inspect and, if deemed necessary, reposition the charge. However, the permittee is still required to ensure that the crematory unit is operated in compliance with all terms and conditions specified in this plan approval, and that the emission of air contaminants from the crematory unit does not exceed any of the restrictions specified in this plan approval or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Article III.
- (b) In addition to the monitoring requirements specified in Condition # 008(a)–(b), Section D, of this operating permit, the permittee shall monitor the crematory unit for visible air contaminant emissions, via the opacity sensor of the crematory unit, whenever the loading door is opened for inspection and repositioning of the charge.
- (c) The Department reserves the right to change the requirements specified in Condition #008(a)–(b), at any time, based on, but not limited to, the review of complaints, monitoring results, and/or Department findings.

**VII. ADDITIONAL REQUIREMENTS.****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This source consists of a two-combustion chamber human crematory unit, model Classic, manufactured by U.S. Cremation Equipment. The crematory unit is rated at 200 lbs/hr charging capacity (human corpses) and is equipped with two natural gas-fired burners as follows:

Primary Combustion Chamber: Eclipse Thermjet; natural gas, 1 burner with a rated heat input of 0.5 MMBTU/HR

Secondary Combustion Chamber: Eclipse Thermjet; natural gas, 1 burner with a rated heat input of 1.5 MMBTU/HR



**SECTION E. Source Group Restrictions.**

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
100	CREMATOR FOR ANIMAL REMAINS		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	sulfur compound emissions	SOX
0.080	gr/DRY FT3	corrected to 7% oxygen (O2)	TSP
101	CREMATOR FOR HUMAN REMAINS		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Sulfur compound emissions	SOX
0.080	gr/DRY FT3	corrected to 7% oxygen (O2)	TSP

**Site Emission Restriction Summary**

Emission Limit	Pollutant
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**SECTION H. Miscellaneous.**

The information in Section A is for informational purposes only.



\*\*\*\*\* End of Report \*\*\*\*\*

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