



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

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: January 23, 2025

Effective Date: January 23, 2025

Expiration Date: January 22, 2030

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: 23-00064

Natural Minor

Federal Tax Id - Plant Code: 23-0725350-1

Owner Information

Name: LAWN CROFT CEMETERY
Mailing Address: 1000 W RIDGE RD
LINWOOD, PA 19061-4143

Plant Information

Plant: LAWN CROFT CEMETERY/LINWOOD
Location: 23 Delaware County 23824 Lower Chichester Township
SIC Code: 7261 Services - Funeral Service And Crematories

Responsible Official

Name: ANNE T LUTTRELL
Title: PRES
Phone: (610) 485 - 1878 Email: lcc_mperce@verizon.net

Permit Contact Person

Name: JOHN CARR
Title: FACILITIES MGR
Phone: (610) 485 - 1878 Email: jandlcarr@comcast.net

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



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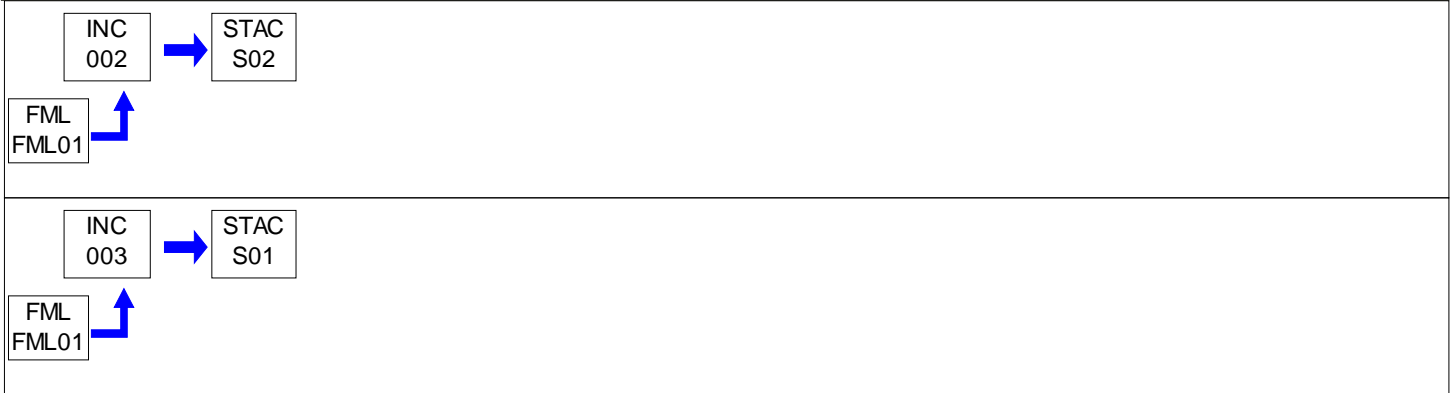
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Source ID	Source Name	Capacity/Throughput		Fuel/Material
002	IE AND E CREMATORY UNIT	100.000	Lbs/HR	HUMAN REMAINS
		2.000	MCF/HR	Natural Gas
003	US HUMAN CREMATORY UNIT	200.000	Lbs/HR	HUMAN REMAINS
		2.000	MCF/HR	Natural Gas
FML01	NAT. GAS PIPELINE			
S01	ALL CREMATORY STACK			
S02	IE & E CREMATORY 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:

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(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_x from a single source during the term of the permit and 5 tons of NO_x 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 PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ 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)

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(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 § 127.11a]**Reactivation of Sources**

(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 may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

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

(a) No person may permit the emission into the outdoor atmosphere of a 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, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8) of this condition, for which the permittee 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**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a) (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**

A person may 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 §123.42]**Exceptions**

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in any of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions).

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The following opacity limitations apply to air contaminant sources at the facility, unless there is a more stringent limitation applicable to a specific source.

A person may 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 10% for a period or periods aggregating more than three minutes in any 1 hour; or

**SECTION C. Site Level Requirements**

(b) equal to or greater than 30% at any time.

[Compliance with this condition assures compliance with 25 Pa. Code §123.41.]

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

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

- (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 in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation;
- (e) a fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure;
- (f) a fire set solely for recreational or ceremonial purposes; or
- (g) a fire set solely for cooking food.

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 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, the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, 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 may 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); and
- (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.
- (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 (if applicable), complaints, monitoring results, and/or Department findings.

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

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

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

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

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) emissions increase of minor significance without notification to the Department.
- (b) de minimis increases with notification to the Department, via letter.
- (c) increases resulting from a Request for Determination (RFD) to the Department.
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

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

(a) All required records must be maintained onsite for five (5) years and made available to the Department upon request. These records may be maintained in electronic format.

- (b) The permittee shall keep records of all written notifications required under the permit conditions.

V. REPORTING REQUIREMENTS.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner

**SECTION C. Site Level Requirements**

or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

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

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

(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 CFR 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 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency 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 years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
 - (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 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR 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 CFR § 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.

**SECTION C. Site Level Requirements**

- (d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:
- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
 - (2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 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 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

VI. WORK PRACTICE REQUIREMENTS.**# 016 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified 25 Pa. Code § 123.1 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, 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; and
- (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 by other means.

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

The permittee shall ensure that the source(s) and air pollution control device(s), listed in this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

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

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #013(g), of Section B, of this permit.

019 [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 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.



SECTION C. Site Level Requirements

No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 002

Source Name: IE AND E CREMATORY UNIT

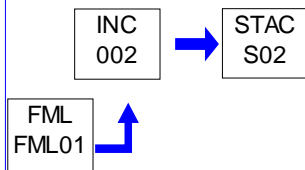
Source Capacity/Throughput:

100.000 Lbs/HR

HUMAN REMAINS

2.000 MCF/HR

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions to the atmosphere shall not exceed any of the following:

(a) PM emissions: 0.08 gr/dscf of exhaust gas, corrected to 7% oxygen..

[Compliance with this condition assures compliance with 25 Pa. Code § 123.12.]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the operation of the crematory shall not at any time result in visible emissions in excess of either of the following limitations:

(a) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any hour.

(b) Equal to or greater than 30% at any time.

[Compliance with this condition streamlines compliance with 25 Pa. Code § 123.41]

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Only natural gas shall be used in the operation of this crematory unit.

[Compliance with this condition assures compliance with 25 Pa. Code §123.21.]

Operation Hours Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The crematory unit shall be limited to 3,120 hours of use in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct testing of the crematory, as prescribed by the manufacturer, to document that the secondary combustion chamber (afterburner section) temperature is greater than or equal to 1600°F. At a minimum, this shall be

**SECTION D. Source Level Requirements**

performed every 24 months.

In lieu of the above testing, the permittee may opt to replace the calibrated thermocouple in accordance with manufacturer's specifications.

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

The permittee shall monitor the following daily, when this source is in operation:

- (a) number of cremations.
- (b) duration of each cremation.

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

The following shall be continuously monitored:

- (a) the primary combustion chamber exhaust gas temperature;
- (b) the secondary chamber operating temperature at the point down stream of the flame tip where the one-second retention time requirement has been demonstrated.

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

(a) The permittee shall verify compliance with the visible and odor emission limitations through the following procedures:

(i) The permittee shall observe the exhaust stack of the crematory at least once during each cremation cycle for the presence of visible and odor emissions. As an alternative to the visible emission stack observations, the operator may observe the output from the opacity monitoring device during each cremation cycle for the presence of visible emissions.

(ii) If any visible or odor emissions are apparent, the permittee shall take immediate action to eliminate them and.

(ii) If any visible or odor emissions are apparent after the corrective action, the crematory shall not start another cremation cycle until the permittee can verify compliance with the visible emission limitations through methods prescribed in 25 Pa. Code § 123.43 (relating to measuring techniques), such as Method 9 readings taken by a certified visible emissions reader.

(b) The permittee shall install, maintain, and operate temperature monitors to measure and continuously record the temperature at the exit from the primary combustion chamber and at the exit from the secondary chamber of the crematory incinerator. Sensors shall be located where flames from the burners do not impinge on the sensors. The sensor probes shall be type- K (Cromel-Alumel) thermocouple or Department approved equivalent.

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

The permittee shall maintain records of:

- (i) The name of the operator performing the cremation;
- (ii) Visible and odor emission observations including the name of the operator conducting the observation, the date and time of the observation, and any corrective actions;
- (iii) The temperature of the primary and secondary combustion chambers during each cremation cycle on a continuous basis;

**SECTION D. Source Level Requirements**

- (iv) The name of the operator performing the cremation;
- (v) Visible and odor emission observations including the name of the operator conducting the observation, the date and time of the observation, and any corrective actions;
- (vi) The temperature of the primary and secondary (or last) combustion chambers during each cremation cycle on a continuous basis;
- (vii) The time and corresponding exit temperatures of the primary and secondary (or last) combustion chamber when charging the unit;
- (viii) The amount and type of fuel used on a monthly basis;
- (ix) The hours of operation, on a monthly and 12-month rolling basis;
- (x) The number of cremations performed;
- (xi) The time, date, and duration of when the charge door is opened during the cremation cycle;
- (xii) Operator training certifications and training program content;
- (xiii) Burner adjustments and maintenance;
- (xiv) Thermocouple calibrations, adjustments, and replacements;
- (xv) The fuel oil sulfur content as certified by the supplier of the fuel oil burned in the crematory incinerator; and
- (xvi) Documentation certifying the removal and proper disposal from the body of implanted electronic device (s) and potentially hazardous remedial device(s).

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

The firing of the burners and combustion air shall be modulated automatically to maintain a secondary combustion chamber exit temperature of 1600°F any time when the cremation unit is in operation.

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

(a) Before charging the unit, the temperature at the exit of the secondary chamber shall achieve and be maintained at or above 1600°F throughout the cremation cycle; or,

For units that are charged when both chambers are cold, the temperature at the exit of the secondary (or last) chamber shall achieve and be maintained at or above 1600°F before firing of the primary chamber burner.

(b) The crematory incinerator shall provide an interlock system that precludes charging of the primary chamber until the secondary (or last) chamber exit temperature is established and holding at 1600°F; or,

In units that are charged when both chambers are cold:

**SECTION D. Source Level Requirements**

- (i) The crematory incinerator shall provide an interlock system that precludes firing the primary chamber burner until the secondary chamber exit temperature is established and holding at 1600°F.
- (ii) The unit shall not be charged until the primary chamber is cooled to less than 150°F after the previous cremation cycle.
- (c) Operators may open the charge door during the cremation cycle for short periods of time to inspect or reposition the remains. In the event that the owner or operator opens the charge door, the owner or operator shall follow the manufacturer's recommended written specifications for operating the unit during inspection or repositioning of the remains and keep records of the activity according to this operating permit.
- (d) The manufacturer's representative or another qualified technician shall adjust the burners after the unit is constructed or modified and before the new or modified unit is first operated and at other appropriate times such as when the use of an approved fuel is initiated and when visible emissions are observed.

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

Special restrictions:

- (a) only human remains and containers for the remains shall be incinerated;
- (b) no municipal or industrial waste shall be burned in the crematorium. No infectious waste shall be burned unless the infectious/hospital waste incinerator criteria is met;
- (c) no radioactive waste shall be burned unless approved by the Bureau of Radiation Protection;
- (d) the permittee shall not combust any body bags that are polyvinyl chloride (PVC). Only body bags with zero (0) % chloride content shall be combusted.
- (e) The crematory should be attended by a trained operator at all times when in operation.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Operation and maintenance of this source, including the monitoring and recordkeeping equipment, shall be performed in accordance with manufacturer's recommendations.

A copy of the manufacturer's specifications for this source shall be kept on file at the facility.

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

The temperature recording devices shall meet the following specifications:

- (a) Range (°F) - equal to or greater than 1.25 times the highest expected temperature;
- (b) Data Recorder Value Resolution - equal to or greater than 0.5% of full scale;
- (c) Data Recorder Time Resolution - equal or better than one minute; and
- (d) Number of cycles per minute - measure and record a minimum of 60/minute.

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

If nighttime operation of the crematory is to occur, adequate artificial lighting of the plume at the stack outlet must be provided to enable these observations of stack emissions to occur at night.

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

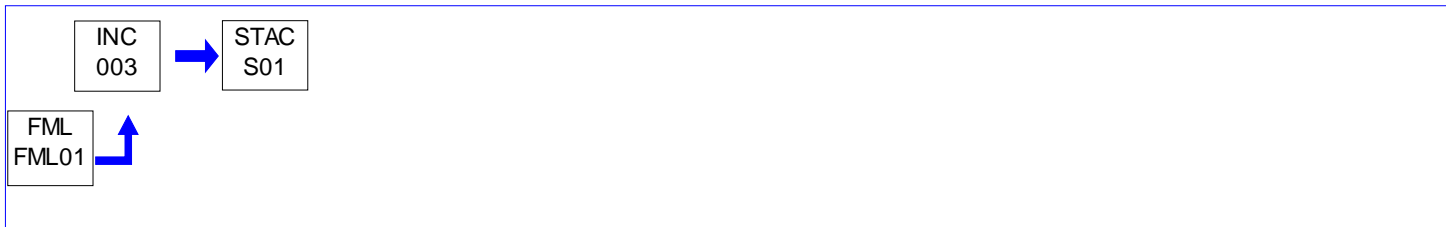
This unit is a 100 pound per hour natural gas-fired crematorium for human remains and containers, manufactured by the IE and E Company, Model IE453-PPII (Power-Pak II), with a primary combustion chamber equipped with a burner rated at 0.7 MMBtu/hr and a secondary combustion chamber equipped with a burner rated at 1.3 MMBtu/hr.

**SECTION D. Source Level Requirements**

Source ID: 003

Source Name: US HUMAN CREMATORY UNIT

Source Capacity/Throughput:	200.000 Lbs/HR	HUMAN REMAINS
	2.000 MCF/HR	Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

[Compliance with condition is met by the using only natural gas in burners.]

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

The permittee shall ensure that the operation of the crematory shall not at any time result in visible emissions in excess of either of the following limitations:

(a) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any hour.

(b) Equal to or greater than 30% at any time.

[Compliance with this condition streamlines compliance with 25 Pa. Code § 123.41]

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

The permittee shall ensure that the operation of this source shall not at any time result in the emission of particulate matter emissions in excess of 0.08 gr/dscf, corrected to 7% oxygen.

[Compliance with this condition assures compliance with 25 Pa. Code § 123.12.]

Fuel Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall use only natural gas as fuel for this source.

[Compliance with this condition assures compliance with 25 Pa. code § 123.21.]

Throughput Restriction(s).**# 005 [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 crematory unit does not exceed 200 lbs/hr.

**SECTION D. Source Level Requirements****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.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall verify compliance with the visible and odor emission limitations through the following procedures:

- (a) The permittee shall observe the exhaust stack of the crematory at least once during each cremation cycle for the presence of visible and odor emissions. As an alternative to the visible emission stack observations, the operator may observe the output from the opacity monitoring device during each cremation cycle for the presence of visible emissions.
- (b) If any visible or odor emissions are apparent, the permittee shall take immediate action to eliminate them and.
- (c) If any visible or odor emissions are apparent after the corrective action, the crematory shall not start another cremation cycle until the permittee can verify compliance with the visible emission limitations through methods prescribed in 25 Pa. Code § 123.43 (relating to measuring techniques), such as Method 9 readings taken by a certified visible emissions reader.
- (d) The permittee shall install, maintain, and operate temperature sensors to continuously record the monitor temperature at the exit from the primary combustion chamber and at the exit from the secondary chamber of the crematory.
- (e) The permittee shall ensure that temperature sensors are located such that flames from the burners do not impinge on the sensors.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall monitor the following parameters on a daily basis, when this source is in operation:

- (a) number of cremations.
- (b) duration of each cremation.

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

The permittee shall maintain records of:

- (i) The name of the operator performing the cremation;
- (ii) Visible and odor emission observations including the name of the operator conducting the observation, the date and time of the observation, and any corrective actions;
- (iii) The temperature of the primary and secondary combustion chambers during each cremation cycle on a continuous basis;
- (iv) The time and corresponding exit temperatures of the primary and secondary combustion chamber when charging the unit;
- (v) The amount and type of fuel used on a monthly basis;
- (vi) The hours of operation, on a monthly and 12-month rolling basis;
- (vii) The number of cremations performed on a daily and monthly basis;

**SECTION D. Source Level Requirements**

- (viii) The time, date, and duration of when the charge door is opened during the cremation cycle for inspection and repositioning of the charge;
- (ix) The lowest secondary combustion chamber temperature during each period of time that the loading door is opened for inspection and repositioning of the charge;
- (x) Operator training certifications and training program content;
- (xi) Burner adjustments and maintenance;
- (xii) Thermocouple calibrations, adjustments, and replacements;
- (xiii) The weight of the charge;
- (xiv) The fuel oil sulfur content as certified by the supplier of the fuel oil burned in the crematory incinerator; and
- (xv) Documentation certifying the removal and proper disposal from the body of implanted electronic device (s) and potentially hazardous remedial device(s).

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.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Before charging the unit, the temperature at the exit of the secondary (or last) chamber shall achieve and be maintained at or above 1600°F throughout the cremation cycle; or,

For units that are charged when both chambers are cold, the temperature at the exit of the secondary (or last) chamber shall achieve and be maintained at or above 1600°F before firing of the primary chamber burner.

(b) The crematory incinerator shall provide an interlock system that precludes charging of the primary chamber until the secondary (or last) chamber exit temperature is established and holding at 1600°F; or,

In units that are charged when both chambers are cold:

(i) The crematory incinerator shall provide an interlock system that precludes firing the primary chamber burner until the secondary chamber exit temperature is established and holding at 1600°F.

(ii) The unit shall not be charged until the primary chamber is cooled to less than 150°F after the previous cremation cycle.

(c) Operators may open the charge door during the cremation cycle for short periods of time to inspect or reposition the remains. In the event that the owner or operator opens the charge door, the owner or operator shall follow the manufacturer's recommended written specifications for operating the unit during inspection or repositioning of the remains and keep records of the activity according to conditions of this operating permit.

(d) The manufacturer's representative or another qualified technician shall adjust the burners after the unit is constructed or modified and before the new or modified unit is first operated and at other appropriate times such as when the use of an approved fuel is initiated and when visible emissions are observed.

**SECTION D. Source Level Requirements****# 010 [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 permit, and that the emission of air contaminants from the crematory unit does not exceed any of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Article III.

(b) 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 (a)–(b), above, at any time, based on, but not limited to, the review of complaints, monitoring results, and/or Department findings.

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

The permittee ensure that the crematory shall be:

(a) Operated in such a manner as not to cause air pollution, as defined in 25 Pa. Code § 121.1.

(b) Operated and maintained in a manner consistent with good operating and maintenance practices.

(c) Attended by a trained operator at all times when the unit is in operation.

(d) Operated and maintained in accordance with the manufacturer's specifications and the applicable terms and conditions of this operating Permit.

(e) Designed to provide sufficient secondary chamber volume to maintain the exhaust gases at the required temperature for at least one second.

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

The permittee shall ensure that all medical devices (e.g. pacemakers, defibrillators, etc.) and potentially hazardous remedial devices (e.g. radioactive implants, etc.) have been removed from bodies and properly disposed of prior to cremation. Documentation certifying compliance with this requirement shall be maintained for each cremation.

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

(a) The permittee shall only cremate human remains and the container used to transport the remains. Human remains shall not be cremated in polyvinylchloride (PVC) containers.

(b) The permittee shall not incinerate radioactive waste, unless approved by the Bureau of Radiation Protection.

(c) The permittee shall not incinerate infectious waste unless the infectious/hospital waste incinerator criteria is met.

(d) The permittee shall not incinerate municipal or industrial waste.

(e) The permittee shall not incinerate Significant amounts of plastics, as determined by the Department.

(f) The permittee shall not cremate human bodies whose weight exceeds 800 pounds, including the weight of the container.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure training from a manufacturer's representative or another qualified training source, including hands-on control of the unit for at least two operating cycles, is provided to all operators of this crematory. The training shall

**SECTION D. Source Level Requirements**

include all the following elements:

- (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) Preventive maintenance practices and procedures and recommended frequency; and
- (h) Recordkeeping requirements and procedures.

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

The permittee shall ensure that a manufacturer's representative or another qualified technician adjust the burners before the unit is first operated and at other appropriate times such as when the use of an approved fuel is initiated and when visible emissions are observed.

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

If nighttime operation of the crematory incinerator is to occur, adequate artificial lighting of the stack outlet must be provided to enable these observations of stack emissions to occur at night.

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

Source ID 003 is a US Cremation Equipment unit, Model 100 Classic, rated at 2.0 mmBtu/hr (Primary Combustion Chamber rated at 0.5 mmBtu/hr and Secondary Combustion Chamber rated at 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			
002	IE AND E CREMATORY UNIT			
Emission Limit				Pollutant
500.000	PPMV	dry basis		SOX
0.080	gr/DRY FT3	Corrected to 7% oxygen		TSP
003	US HUMAN CREMATORY UNIT			
Emission Limit				Pollutant
500.000	PPMV			SOX
0.080	gr/DRY FT3	Corrected to 7% oxygen		TSP

Site Emission Restriction Summary

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

The following previously issued Operating Permit serves as the basis for certain terms and conditions set forth in this Permit:

23-301-115

March 2007. APS: 346245, Auth: 664080. The Department amended this permit to incorporate Plan Approval, PA-23-0064. No other changes have taken place at the facility.

June 2009. APS: 346245, Auth: 757180. Permit Renewal : There have been no changes to the air emission sources and their operation.

June 2014. APS: 346245, Auth: 1014936. Permit Renewal: There have been no changes to the air emission sources and their operation.

September 2019. APS: 346245, Auth: 1253665. Permit Renewal: There have been no changes to the air emission sources and their operation.

January 2025

This permit is the State Only Operating Renewal Permit (APS ID 346245, AUTH ID 1476946). The following items have been addressed with issuance of the renewal permit:

Changes were made to Section B and C of the permit for consistency with boilerplate language of permits in the region.

Old condition #015, Section C was removed, this condition is now listed in Section B of the permit.

Applicable monitoring and recordkeeping requirements from the Recommended Criteria for Crematory Incinerators, Technical Guidance Document #275-2101-007 have been added under Source ID 002.

Due to the requirements of the Crematory Regulation Act [P.L. 403, No. 26] (CRA) and The Crematory Regulation Act-Work Practice Standards Act of Oct. 31, 2024, P.L. 1122, No. 132 the work practice standards for Source IDs 002 and 003 have been updated.

The following conditions were removed from Section D, Source ID 003: Conditions #001(b) and #005.

Section D, Source ID 002, Condition #016 was added to address nighttime operation of the crematory unit.

An Administrative Amendment Application to incorporate the conditions of Plan Approval 23-0064A into the SOOP operating permit 23-00064 was submitted on May 12, 2024. The Administrative Amendment AUTH ID 1476946 was replaced with the Renewal Application AUTH ID 1488089. Source ID 003 have been added to the permit to incorporate the applicable conditions of Plan Approval 23-0064A.



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