



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

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: July 26, 2022

Effective Date: July 26, 2022

Expiration Date: June 30, 2027

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: 43-00390

Natural Minor

Federal Tax Id - Plant Code: 84-3919237-1

Owner Information

Name: SHERMAN FUNERAL HOME & CREMATORY
Mailing Address: 2201 HIGHLAND RD
HERMITAGE, PA 16148-2822

Plant Information

Plant: SHERMAN FUNERAL HOME & CREMATORY/MERCER
Location: 43 Mercer County 43806 Sharpsville Borough
SIC Code: 7261 Services - Funeral Service And Crematories

Responsible Official

Name: STEPHEN J SHERMAN
Title: OWNER & PRES
Phone: (724) 854 - 4613 Email: shermanfhc@gmail.com

Permit Contact Person

Name: STEPHEN J SHERMAN
Title: OWNER & PRES
Phone: (724) 854 - 4613 Email: shermanfhc@gmail.com

[Signature] _____
ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER



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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	HUMAN CREMATORY, IE43-PPI POWER PAK 1, RATED 150 LBS/HR	3.000 MMBTU/HR	
		150.000 Lbs/HR	HUMAN REMAINS
		3.000 MCF/HR	Natural Gas
NG	NATURAL GAS		
S101	STACK FOR HUMAN CREMATORY		

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_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)

**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 may permit air pollution as that term is defined in the act.

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.

(7) - (8) [Do not apply]

(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.

(ii) The emissions are not preventing or interfering with the attainment or maintenance of an ambient air quality standard.

(b) An application form for requesting a determination under either subsection (a)(9) or § 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant is required to demonstrate that the requirements of subsections (a)(9) and (c) and § 123.2 [Condition #003, below] (relating to fugitive particulate matter) or of the requirements of § 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) [Printed under Work Practice Requirements in this section of permit.]

(d) [Does not apply]

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 § 123.1(a)(1)—(9) [Condition #002, above] (relating to prohibition of certain fugitive emissions) if the emissions are visible at the point the emissions pass outside the person's property.

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

(a) [Printed under Work Practice Requirements in this section of permit.]

**SECTION C. Site Level Requirements**

(b) 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.

(c) [Does not apply]

005 [25 Pa. Code §123.42]**Exceptions**

The limitations of § 123.41 [Section D, Condition #001 (b)] (relating to limitations) shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in § 123.1 (a)(1)—(9) [Condition #002, above] (relating to prohibition of certain fugitive emissions).
- (4) [Does not apply]

II. TESTING REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

If at any time the Department has reason to believe that the air contaminant emissions are, or maybe, in excess of any applicable air contaminant emission limitation, the owner or operator shall conduct such stack tests or source tests requested by the Department to determine the actual air contaminant emission rate. The owner or operator shall perform any such testing in accordance with the applicable provisions of 25 Pa. Code, Chapter 139 (relating to sampling and testing) as well as in accordance with any additional requirements or conditions established by the Department at the time the owner or operator is notified, in writing, of the need to conduct testing.

[Plan Approval 43-390A, Section C, Condition #002.]

III. MONITORING REQUIREMENTS.**# 007 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

IV. RECORDKEEPING REQUIREMENTS.

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

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 C. Site Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 008 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

[25 Pa. Code § 123.1(c):]

(c) A person responsible for any source specified in subsections (a)(1)—(7) or (9) [Condition #002, above] shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions include, but not be limited to, the following:

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

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

(3) Paving and maintenance of roadways.

(4) 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.

009 [25 Pa. Code §123.31]**Limitations**

[25 Pa. Code § 123.31(a):]

(a) Limitations are as follows:

(1) If control of malodorous air contaminants is required under subsection (b) [Condition #004, above], emissions shall be incinerated at a minimum of 1200°F for at least 0.3 second prior to their emission into the outdoor atmosphere.

(2) Techniques other than incineration may be used to control malodorous air contaminants if such techniques are equivalent to or better than the required incineration in terms of control of the odor emissions and are approved in writing by the Department.

010 [25 Pa. Code §129.14]**Open burning operations**

(a) [Does not apply]

(b) Outside of air basins. No person may permit the open burning of material in an area outside of air basins in a manner that:

(1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

(2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.

(3) The emissions interfere with the reasonable enjoyment of life or property.

(4) The emissions cause damage to vegetation or property.

(5) The emissions are or may be deleterious to human or animal health.

(c) Exceptions. The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

(1) 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.

**SECTION C. Site Level Requirements**

(2) Any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(3) A fire set for the prevention and control of disease or pests, when approved by the Department.

(4) - (5) [Do not apply]

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

Air curtain destructor—A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

Clearing and grubbing wastes—Trees, shrubs and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) [Does not apply]

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b).

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in that chapter.

[This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P.S. Section 6018.610(3), or any other provision of the Solid Waste Management 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: 101

Source Name: HUMAN CREMATORY, IE43-PPI POWER PAK 1, RATED 150 LBS/HR

Source Capacity/Throughput: 3.000 MMBTU/HR

150.000 Lbs/HR

HUMAN REMAINS

3.000 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 parts per million, by volume, dry basis.

002 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) No person may permit the emission to the outdoor atmosphere of particulate matter from this incinerator, at any time, in such a manner that the particulate matter concentration in the effluent gas exceeds 0.06 gr/dscf, corrected to 7% oxygen. (Filterable Only)

(b) Visible emissions shall not exceed either of the following limitations:

(1) Equal to or greater than 10% for a period or periods aggregating more than three minutes in any 1 hour;

(2) Equal to or greater than 20% at any time.

[Streamlines the limitations of 25 Pa. Code § 123.41.]

[Plan Approval 43-390A, Section D, Condition #001.]

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.**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The owner/operator shall install, maintain, and operate continuous temperature monitors to measure the temperatures at the exit from the primary combustion chamber and at the exit from the secondary (or last) chamber of the crematory. Sensors shall be located such that flames from the burners do not impinge on the sensors. These temperatures shall be recorded in either analog or digital read-only format.

(b) All detectable objectionable odors that originate onsite and cross the property line, as well as visible and/or fugitive air contaminant emissions that originate onsite, shall:

(1) Be investigated;

**SECTION D. Source Level Requirements**

- (2) Be reported to the facility management, or individual(s) designated by the permittee; and
- (3) Be recorded in a permanent written log which, at a minimum, shall include the following:
 - (i) A description of the deviation;
 - (ii) The source(s) and/or associated air pollution control device(s) and location(s);
 - (iii) The starting and ending date(s) and times;
 - (iv) The wind direction during the deviation;
 - (v) The cause(s);
 - (vi) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences;
 - (vii) Name, title, and signature of the observer.
- (c) The Department reserves the right to change the above Monitoring Requirements (or Work Practice Requirements) at any time based on, but not limited to, the review of complaints, monitoring results, and/or Department findings.

[Plan Approval 43-390A, Section D, Condition #002.]

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The owner/operator shall maintain records of:
 - (1) The temperature of the primary and secondary combustion chamber during each cremation cycle on a continuous basis;
 - (2) The hours of operation;
 - (3) The number of cremations performed;
 - (4) Operator training certifications and training program content;
 - (5) Burner adjustments and maintenance;
 - (6) Thermocouple calibrations, adjustments and replacements;
 - (7) The removal from the body and proper disposal of any implanted electronic devices and potentially hazardous remedial devices;
 - (8) The time (to the nearest minute) that the crematory is turned on (i.e. preheat), on an operating day basis;
 - (9) The weight of the charge (pounds) before each cremation cycle;
 - (10) The starting and ending times (to the nearest minute) of each cremation cycle;
 - (11) The starting and ending times (to the nearest second) of each period of time that the loading door is opened for inspection and repositioning of the charge;
 - (12) The duration (in seconds) of each period of time that the loading door is opened for inspection and repositioning of the charge; and

**SECTION D. Source Level Requirements**

(13) The lowest secondary combustion chamber exhaust gas temperature (degrees Fahrenheit) during each period of time that the loading door is opened for inspection and repositioning of the charge.

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

- (1) The date of the maintenance;
- (2) The type of maintenance performed;
- (3) Name, title, and signature of the individual performing the maintenance.

(c) The permittee shall maintain all logs onsite for a minimum period of five years and shall furnish these records to the Department upon request.

V. REPORTING REQUIREMENTS.

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The owner or operator shall notify the Department by telephone within twenty-four (24) hours of the discovery of any malfunction which results in, or may possibly be resulting in, the emission of air contaminants in excess of any applicable limitation specified herein. Following the telephone notification, a written notice must also be submitted to DEP as specified below.

(1) If the owner or operator is unable to provide notification by telephone to the appropriate Regional Office within twenty-four (24) hours of discovery of a malfunction due to a weekend or holiday, the notification shall be made to the Department by no later than 4 p.m. on the first business day for the Department following the weekend or holiday.

(2) Any malfunction that poses an imminent danger to the public health, safety, welfare, or environment shall be reported by telephone to the Department and the County Emergency Management Agency immediately after the discovery of an incident. The owner or operator shall submit a written report of instances of such malfunctions to the Department within three (3) business days of the telephone report.

(3) Unless otherwise required by this Operating Permit, any other malfunctions shall be reported to the Department, in writing, within five (5) business days of malfunction discovery.

(b) Initial reporting of the malfunction shall identify the following items to the extent known:

- (1) Name and location of the facility;
- (2) Nature and cause of the malfunction;
- (3) Time when the malfunction or breakdown was first observed;
- (4) Expected duration of increased emissions; and
- (5) Estimated rate of emissions.

(c) The Owner/Operator shall also notify the Department immediately, by telephone, when corrective measures, for malfunctions meeting the criteria in (a)(2), have been accomplished.

(d) Malfunctions shall be reported to the Department by OnBase Submittal, unless the Department directs otherwise:

OnBase Submittal

<http://www.dep.pa.gov/DataandTools/Pages/Application-Form-Upload.aspx>

**SECTION D. Source Level Requirements**

PA DEP
Northwest Regional Office
814-332-6945

(e) If requested by the Department, the Owner/Operator shall submit a full written report to the Department, including final determinations of the items identified in (b), and the corrective measures taken on the malfunction. The report shall be submitted within 15 days of the Department's request or accomplishing corrective measures, whichever is later.

[Plan Approval 43-390A, Section C, Condition #004.]

VI. WORK PRACTICE REQUIREMENTS.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The crematory burners shall be operated and maintained as prescribed by the manufacturer. A copy of the burners' operational and maintenance literature shall be maintained onsite with the units at all times.

(b) The operator may only cremate human remains and the container used to transport the remains.

(c) The operator of the crematory must 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. The operator shall survey the remains using a metal detecting device to verify compliance with this requirement.

(d) The crematory shall be:

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

(2) Operated and maintained in a manner consistent with good operating and maintenance practices;

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

(4) Operated and maintained in accordance with the manufacturer's specifications and the applicable terms and conditions of this Permit;

(5) Operated such that the temperature at the exit of the secondary chamber shall be maintained at or above 1,800 degrees Fahrenheit throughout the cremation cycle;

(6) Observed by a trained operator for stack emissions.

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

(1) The permittee shall observe the exhaust stack and the premise of the crematory at least once during each cremation cycle for the presence of any visible, fugitive, or odor emissions;

(2) If any visible, fugitive, or odor emissions are apparent, the permittee shall take immediate action to eliminate them and record/describe the event in a log. The log entry shall at a minimum include the items described in Reporting Condition (a)(1)-(6);

(3) If any visible 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 specified in this plan approval 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.

(f) The crematory stack shall be lit with adequate artificial lighting to enable observations of stack emissions at night, if

**SECTION D. Source Level Requirements**

nighttime operation of the crematory is to occur.

(g) The crematory shall have an interlock system that:

(1) Precludes firing of the primary chamber until the secondary (or last) chamber exit temperature is established and holding at 1,800 degrees Fahrenheit; and

(2) Discontinues firing of the primary chamber if the secondary (or last) chamber exit temperature drops below 1,800 degrees Fahrenheit.

(h) The operator may open the loading door to the crematory during the cremation cycle to inspect and, if deemed necessary, reposition the charge. However, the operator is still required to ensure that the crematory is operated in compliance with all terms and conditions specified in this plan approval, and that the emission of air contaminants from the crematory 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.

(i) The operator shall monitor the crematory for visible emissions, via the opacity sensor of the crematory or via direct observation of the crematory's stack, when the loading door is opened for inspection and repositioning of the charge.

(j) The operator shall comply with either (1) or (2):

(1) Following the completion of a cremation, the primary chamber shall cool to 450°F before a new cremation cycle begins (loading). The secondary chamber shall be 1,800°F before the primary chamber's burner is ignited.

(2) Before charging the unit, the temperature at the exit of the secondary (or last) chamber shall achieve 1800°F or higher and be maintained throughout the cremation cycle. The secondary chamber shall be 1,800°F before the primary chamber's burner is ignited.

(k) The permittee shall ensure that the opacity sensor of this crematory is set to either activate operator notice/alarm at no greater than 10% opacity; or is set to automatically adjust the unit's operational parameters at no greater than 10% opacity; or is set to do both.

(l) The operator shall be familiar with and follow the manufacturer's recommend procedure for the cremation of an obese individual. A physical copy of the procedure shall be maintained with the unit at all times.

(m) The operator may not cremate human remains whose weight exceeds 500 pounds, including the weight of the container.

(n) The operator shall verify the weight of remains before they are cremated by use of a scale (including the weight of the container).

(o) The manufacturer's representative or another qualified technician shall adjust the burners after the unit is constructed and before a new 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.

(p) A representative of the crematory's manufacturer or another qualified training source shall provide adequate instruction to all operators of each new crematory and to new operators of existing crematories including hands-on control of the unit for at least two operating cycles. The training shall include all of the following elements:

(1) Principles of combustion;

(2) Operating monitors and controls;

(3) Operating sequence under normal conditions;

(4) Safety and operating procedures under foreseeable upset conditions (e.g. power or fuel interruption, burner

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malfunction, visible emissions, high and low temperature incidents, etc);

- (5) Regulatory requirements;
- (6) Calibration, adjustment and replacement of thermocouples;
- (7) Preventive maintenance practices and procedures and recommended frequency;
- (8) Recordkeeping requirements and procedures; and
- (9) Proper procedure to cremate obese individuals while minimizing air emissions.

[Plan Approval 43-390A, Section D, Condition #003.]

VII. ADDITIONAL REQUIREMENTS.

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



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		
101	HUMAN CREMATORY, IE43-PPI POWER PAK 1, RATED 150 LBS/HR		
Emission Limit		Pollutant	
500.000	PPMV	dry basis	SOX
0.060	gr/DRY FT3	Corrected to 7% O2, filterable only.	TSP

Site Emission Restriction Summary

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

(a) The Capacity/Hour numbers listed on Page 4 and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable emission limits are listed in the Restriction section for each source. They are also summarized for informational purposes only in Section G.



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