



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

**STATE ONLY NATURAL MINOR OPERATING PERMIT**

Issue Date: January 10, 2023

Effective Date: January 10, 2023

Expiration Date: December 31, 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: 20-00268**

Natural Minor

Federal Tax Id - Plant Code: 25-1556328-1

**Owner Information**

Name: TEDES CO

Mailing Address: 614 BALDWIN ST  
MEADVILLE, PA 16335-1611

**Plant Information**

Plant: HATHEWAY TEDESCO FUNERAL HOME & CREMATORY

Location: 20 Crawford County 20001 Meadville City

SIC Code: 7261 Services - Funeral Service And Crematories

**Responsible Official**

Name: ROCCO R TEDESCO

Title: PRES & OWNER

Phone: (814) 724 - 7860

Email: tedesco@zoominternet.net

**Permit Contact Person**

Name: MICHAEL J. CONARD

Title: OPR/MGR

Phone: (814) 724 - 7860

Email: mconard@live.com

[Signature] \_\_\_\_\_

ERIC A. GUSTAFSON, NORTHWEST REGION AIR PROGRAM MANAGER



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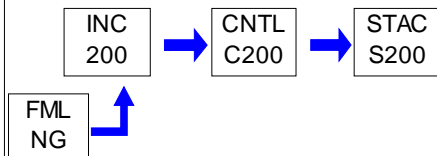
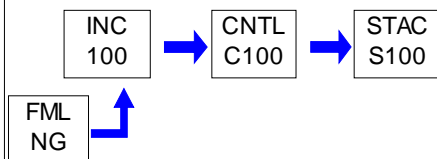
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
100	HUMAN CREMATOR	1.000 Each/HR	HUMAN REMAINS
		2.116 MCF/HR	Natural Gas
200	ANIMAL CREMATOR	1.000 Each/HR	ANIMAL REMAINS
		1.500 MCF/HR	Natural Gas
C100	SECONDARY CHAMBER W/ AFTERBURNER		
C200	SECONDARY CHAMBER W/AFTERBURNER		
NG	NATURAL GAS		
S100	HUMAN CREMATOR STACK		
S200	ANIMAL CREMATOR STACK		

**PERMIT MAPS**

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

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

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

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

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

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
  - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
  - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) - (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; and
  - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any 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 #002, 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) [Paragraph (c) is printed under Work Practice Requirements in this section of permit.]
- (d) [Does not apply]

**# 002 [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 #001, above] (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

**# 003 [25 Pa. Code §123.31]****Limitations**

- (a) [Paragraph (a) is printed under Work Practice Requirements in this section of permit.]
- (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.

**SECTION C. Site Level Requirements**

(c) [Does not apply]

**# 004 [25 Pa. Code §123.42]****Exceptions**

The opacity limitations specified as source level requirements in Section D of this permit 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 #001, above] relating to prohibition of certain fugitive emissions).
- (4) [Does not apply]

**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.****# 005 [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 any 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).

**VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the act.

**# 007 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

[From 25 Pa. Code § 123.1(c):]

(c) A person responsible for any source specified in subsections (a)(1) -- (7) or (9) [Condition #001, above] shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to,

**SECTION C. Site Level Requirements**

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.

**# 008 [25 Pa. Code §123.31]****Limitations**

(a) Limitations are as follows:

- (1) If control of malodorous air contaminants is required under subsection (b) [Condition #003, 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.

**VII. ADDITIONAL REQUIREMENTS.****# 009 [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.
- (2) A 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.

**SECTION C. Site Level Requirements**

(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) of this section.

(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 such 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.]

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.



**SECTION D. Source Level Requirements**

Source ID: 100

Source Name: HUMAN CREMATATOR

Source Capacity/Throughput:	1.000 Each/HR	HUMAN REMAINS
	2.116 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 a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

Particulate matter emissions from the source shall not exceed 0.015 grain per dry standard cubic foot.

[From Plan Approval 20-301-028, condition 9]

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

Visible air contaminants shall not be emitted in a manner such that the opacity of the emissions is:

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

[Plan Approval 20-301-028, condition 8]

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

The crematory shall be fueled only with natural gas.

[Compliance with this requirement shall be deemed to establish compliance with the sulfur compound emission limit of 500 parts per million from 25 Pa. Code Section 123.21].

**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.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

A recorder shall be installed to measure and record primary and secondary combustion chamber temperatures. Temperatures shall be continually monitored and recorded during all periods of operation. Sensors shall be located such

**SECTION D. Source Level Requirements**

that the burner flames do not impinge on the sensors. Continuous monitoring shall be conducted in accordance with 25 Pa. Code Chapter 139.

[From Plan Approval 20-301-028, condition 5]

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

(a) The permittee shall observe the exhaust stack of the crematory at least once during each cremation cycle for the presence of visible emissions.

(b) If any visible emission are apparent, the permittee shall take immediate action to eliminate them.

**IV. RECORDKEEPING REQUIREMENTS.****# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Temperature records shall be maintained for a minimum of 5 years and shall be made available to the Department upon request.

[From Plan Approval 20-301-028, condition 6]

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

(a) The permittee shall keep a record of the observations of the exhaust stack including the date and time of each observation, and if corrective actions are taken, a record of those actions.

(b) The permittee shall keep a record of the amount of natural gas used as fuel for the crematory on a monthly basis.

(c) The permittee shall keep a record of the maintenance conducted on the crematory including any adjustments to the burners, thermocouple calibrations, thermocouple adjustments, and thermocouple replacements.

**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 §127.12b]****Plan approval terms and conditions.**

The secondary chamber temperature shall be maintained at a minimum of 1,800°F with a minimum gas residence time of 1 second during all periods of operation.

The firing of the burners and the combustion air shall be modulated automatically to maintain the required temperature.

[From Plan Approval 20-301-028, conditions 7 & 10]

**# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The cremator shall only process human remains or animal remains and containers for those remains.

No radioactive, infectious/hospital, municipal, or residual wastes, nor any significant amount of plastic waste, shall be burned.

[From Plan Approval 20-301-028, condition 11]

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The crematory shall be operated in such a manner as not to cause air pollution, as defined in 25 Pa. Code Section 121.1.
- (b) The crematory shall be operated in a manner consistent with good operating and maintenance practices.
- (c) The crematory shall be operated and maintained in accordance with the manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.**

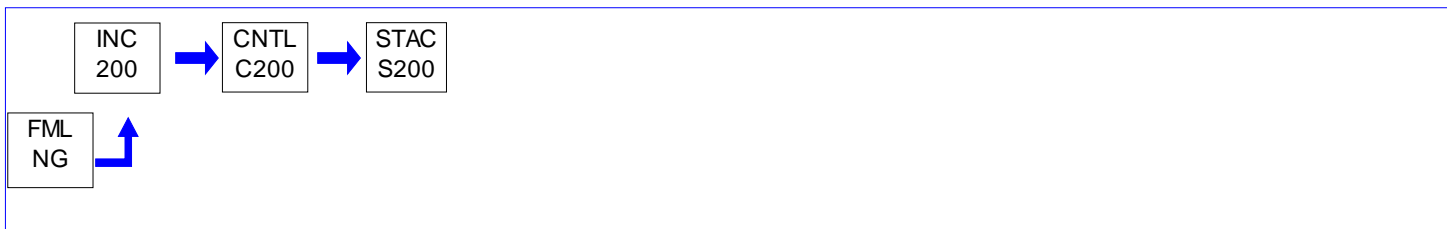
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements**

Source ID: 200

Source Name: ANIMAL CREMATOR

Source Capacity/Throughput:	1.000 Each/HR	ANIMAL REMAINS
	1.500 MCF/HR	Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.622]****Compliance with general plan approvals and general operating permit conditions.**

[From GP-14 Condition #12]

The operation of the crematory shall not at any time result in the emission of:

- (a) Particulate matter emissions in excess of 0.08 gr/dscf, corrected to 7% oxygen.
- (b) Sulfur compound emissions in excess of 500 parts per million, by volume, dry basis, as specified in 25 Pa. Code § 123.21.
- (c) Visible emissions in excess of either of the following limitations:
  - (1) Equal to or greater than 10% for a period or periods aggregating more than three minutes in any hour;
  - (2) Equal to or greater than 30% at any time.
- (d) Odor emission in such a manner that the malodors are detectable outside the property of the permittee as specified in 25 Pa. Code § 123.31 [Section C, Condition #003].

**Fuel Restriction(s).****# 002 [25 Pa. Code §127.622]****Compliance with general plan approvals and general operating permit conditions.**

[From GP-14 Condition #4(f):]

The crematory shall be:

Fueled by natural gas, LP gas, propane or # 2 fuel oil meeting the applicable sulfur requirements for commercial fuel oil. Compliance with this requirement shall be deemed to establish compliance with the sulfur compound emission limitations in Condition #001, above.

**II. TESTING REQUIREMENTS.****# 003 [25 Pa. Code §127.622]****Compliance with general plan approvals and general operating permit conditions.**

[From GP-14 Condition #7]

- (a) [Stack test results for an identical unit were provided in GP-14 application and accepted by the Department]
- (b) If, at any time, the Department has cause to believe that air contaminant emissions from a crematory authorized to use this Operating Permit are in excess of the limitations specified in, or established pursuant to, any applicable regulation

**SECTION D. Source Level Requirements**

contained in 25 Pa. Code, Subpart C, Article III, the Department may require the permittee to conduct tests deemed necessary by the Department to determine the actual emission rate(s). The permittee shall perform such tests in accordance with applicable provisions of 25 Pa. Code, Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department within one hundred and eighty (180) days of the date the Department notifies the permittee, in writing, of the testing requirement.

**III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.622]****Compliance with general plan approvals and general operating permit conditions.**

[From GP-14 Condition #4(g)]

The crematory shall be:

Observed by a trained operator for stack emissions as required in Condition #003. These are to be qualitative observations establishing the absence or presence of visible and odor emissions. If these observations confirm that there are no visible and no odor emissions from the crematory during each cremation cycle, this shall be deemed to establish compliance with the visible and odor emission limitations in Condition #001. As an alternative to the stack emission observations, the permittee may install and operate an opacity monitoring device, provided that the device is maintained in accordance with the manufacturer's recommendations and the operator is instructed in the proper operation and maintenance of the opacity monitoring device as part of the operator training program identified in Condition #012. The operator must observe the output readings during each cremation cycle, and readings in excess of the applicable limitations identified in Condition #001 shall be addressed in the same manner as the visual stack observations.

**# 005 [25 Pa. Code §127.622]****Compliance with general plan approvals and general operating permit conditions.**

[From GP-14 Condition #11]

The permittee shall collect and record the information specified in this condition. The information shall be maintained at the facility for a minimum of five (5) years and shall be made available upon request to the Department.

(a) The permittee shall verify compliance with the visible and odor emission limitations in Condition #001 through the following procedures:

(1) 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 stack observations, if the crematory is equipped with an opacity monitoring device, the operator may observe the output from the opacity monitoring device for the presence of visible emissions;

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

(3) 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 specified in Condition #001 through methods prescribed in 25 Pa. Code § 123.43 [Section C, Condition #005], 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 (or last) chamber of the crematory. Sensors shall be located such that flames from the burners do not impinge on the sensors.

(c) [Printed under Recordkeeping Requirements]

**IV. RECORDKEEPING REQUIREMENTS.****# 006 [25 Pa. Code §127.622]****Compliance with general plan approvals and general operating permit conditions.**

**SECTION D. Source Level Requirements**

[From GP-14 Condition #11]

The permittee shall collect and record the information specified in this condition. The information shall be maintained at the facility for a minimum of five (5) years and shall be made available upon request to the Department.

(c) The permittee shall maintain records of:

- (1) Visible emission observations and any corrective actions;
- (2) The temperature of the primary and secondary combustion chamber during each cremation cycle on a continuous basis;
- (3) The amount and type of fuel used on a monthly basis;
- (4) The hours of operation;
- (5) The number of cremations performed;
- (6) Operator training certifications and training program content;
- (7) Burner adjustments and maintenance;
- (8) Thermocouple calibrations, adjustments and replacements;
- (9) The fuel oil sulfur content as certified by the supplier of any and all fuel oil burned in the crematory; and
- (10) The removal from the body and proper disposal of any implanted electronic devices and potentially hazardous remedial devices [See Condition #011].

**V. REPORTING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.622]**

**Compliance with general plan approvals and general operating permit conditions.**

[From GP-14 Condition #6(b)]

The permittee shall notify the Department within twenty-four (24) hours of discovery or by 12:00 noon of the next business day following a weekend or holiday of any malfunction of the crematory which results in, or which may reasonably be expected to result in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III (relating to air resources) or any of the conditions of this General Permit.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[From Technical Guidance Document #275-2101-007, pages 71-72 7.7 Crematory Incinerators]

II. Operating Requirements:

- (1) The temperature of 1800 deg. F shall be maintained with a minimum gas residence time of one second. For a multi-chamber incinerator, these parameters must be met after the primary combustion chamber.
- (2) The firing of the burners and the combustion air shall be modulated automatically to maintained the required temperature.
- (3) The batch fed incinerators shall provide interlock system to prevent charging until:

**SECTION D. Source Level Requirements**

- (i) the secondary chamber exit temperature is established and holding at 1800 deg. F; and,
- (ii) the combustion cycle is complete.

**# 009 [25 Pa. Code §127.622]****Compliance with general plan approvals and general operating permit conditions.**

[From GP-14 Condition #4]

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.
- (f) [Printed under Fuel Restrictions]
- (g) [Printed under Monitoring Requirements]
- (h) 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.
- (i) [Stack test results for an identical unit were provided in GP-14 application and accepted by the Department]

**# 010 [25 Pa. Code §127.622]****Compliance with general plan approvals and general operating permit conditions.**

[From GP-14 Condition #13]

Crematories for which construction commenced after April 17, 1989 shall comply with the following work practice standards:

- (a) 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;

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 1800°F before firing of the primary chamber burner.

- (b) The crematory shall provide an interlock system that either:
  - (1) Precludes charging of the primary chamber until the secondary (or last) chamber exit temperature is established and holding at 1800°F and after charging, precludes opening the charge door until the cremation cycle is complete; or,
  - (2) In units that are charged when both chambers are cold, precludes firing the primary chamber burner until the secondary chamber temperature is established and holding at 1800°F. In these units, the interlock system must also preclude opening the charge door until the previous cremation cycle is complete and the primary chamber is cooled to less than 150°F.
- (c) The manufacturer's representative or another qualified technician shall adjust the burners after the unit is constructed

**SECTION D. Source Level Requirements**

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.

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

[From Technical Guidance Document #275-2101-007, pages 71-72 7.7 Crematory Incinerators]

**IV. Special Restrictions:**

- (1) No Radioactive waste shall be burned unless approved by the Bureau of Radiation Protection.
- (2) No Infectious waste shall be burned in a crematory unless the infectious/hospital waste incinerator criteria is met.
- (3) No municipal or industrial waste shall be burned.
- (4) If significant plastics are involved, additional requirements may be warranted.

**# 012 [25 Pa. Code §127.622]****Compliance with general plan approvals and general operating permit conditions.**

[From GP-14 Condition #14]

The owner or 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 owner or operator of any crematory authorized to use this Operating Permit may cremate either human or animal remains, but not both in the same unit.

The owner or operator of any crematory authorized to use this Operating Permit may only cremate either human or animal remains and the container used to transport the remains.

The owner or operator of any crematory authorized to use this Operating Permit is prohibited from using the crematory to dispose of any animals used for commercial or medical experimentation purposes.

The owner or operator of any crematory authorized to use this Operating Permit may not incinerate any other type of waste (e.g. hospital, medical, hazardous, chemotherapeutic, radioactive, etc.).

The owner or operator of any crematory authorized to use this Operating Permit may not cremate human or animal bodies whose weight exceeds 500 pounds, including the weight of the container.

**# 013 [25 Pa. Code §127.622]****Compliance with general plan approvals and general operating permit conditions.**

[From GP-14 Condition #18]

The manufacturer's representative 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:

- (a) Principles of combustion;
- (b) Operating monitors and controls;



**SECTION D. Source Level Requirements**

- (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.



**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 Descriptor			
100	HUMAN CREMATOR			
<b>Emission Limit</b>				<b>Pollutant</b>
500.000	PPMV	dry basis		SOX
0.015	gr/DRY FT3			TSP
200	ANIMAL CREMATOR			
<b>Emission Limit</b>				<b>Pollutant</b>
500.000	PPMV	dry basis		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.**

(a) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, 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 F.

Source ID: Department assigned ID number for the source  
Source Name: Department assigned name for the source  
Capacity: The maximum rated capacity for the source (not a limit)  
Fuel/Material: The fuel/material assigned to SCC for the source  
Schematics:  
FML: Fuel material location  
CU: Combustion Unit source  
PROC: Process  
CNTL: Control device  
STAC: Stack / Emission Point

Pollutant:  
TSP: Total Suspended Particulate.

(b) This permit was reissued on July 24, 2007.

(c) This permit was modified on March 12, 2009 to include the conditions of a minor operating permit modification to allow the cremation of human or animal remains.

(d) This permit renewal effective October 31, 2012 is issued on October 31, 2012.

(e) This permit renewal effective December 1, 2017 is issued on November 29, 2017.

(f) This permit renewal effective January 10, 2023 is issued on January 10, 2023.



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

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