



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: May 19, 2021 Effective Date: May 19, 2026
Revision Date: April 14, 2026 Expiration Date: November 19, 2026
Revision Type: Extension

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 construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval 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 plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 09-0249

Federal Tax Id - Plant Code: 85-3778086-1

Owner Information

Name: PET MEADOW
Mailing Address: 1500 KLOCKNER RD
HAMILTON, NJ 08619-3104

Plant Information

Plant: PET MEADOW/FALLS TOWNSHIP
Location: 09 Bucks County 09002 Falls Township
SIC Code: 7261 Services - Funeral Service And Crematories

Responsible Official

Name: DEBRA A BJORLING
Title: PRESIDENT
Phone: (609) 306 - 1948 Email: debra@petmeadow.com

Plan Approval Contact Person

Name: DEBRA A BJORLING
Title: PRESIDENT
Phone: (609) 306 - 1948 Email: debra@petmeadow.com

[Signature] _____
JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER



Plan Approval Description

This plan approval supersedes and incorporates terms and conditions of Plan Approval No. 09-0249A. This plan approval is for the installation of animal cremation equipment at the facility located at 6 Steel Road East, Morrisville, PA. This plan approval includes opening the crematory loading door during the cremation cycle.



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Note: These same sub-sections are repeated for each source!

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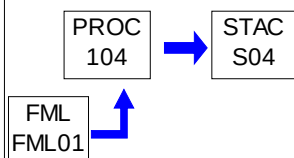
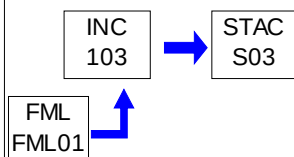
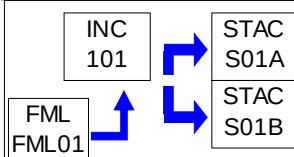
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**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	TWO (2) MATTHEWS IE43-PPII CREMATORY UNITS	N/A	Natural Gas
103	MATTHEWS 5-CHAMBER CREMATORY UNIT 1	N/A	Natural Gas
104	MATTHEWS 5-CHAMBER CREMATORY UNIT 2	N/A	Natural Gas
FML01	NATURAL GAS		
S01A	101 STACK 1		
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S04	104 STACK		

PERMIT MAPS

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

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

#002 [25 Pa. Code § 127.12b (a) (b)]**Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]**Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

#004 [25 Pa. Code § 127.12(a) (10)]**Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]**Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

#006 [25 Pa. Code § 127.12b]**Plan Approval Terms and Conditions**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

#007 [25 Pa. Code § 127.32]**Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(a)(4) & 35 P.S. § 4008 & § 114 of the CAA]**Inspection and Entry**

(a) 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.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

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

#009 [25 Pa. Code 127.13a]**Plan Approval Changes for Cause**

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

- (a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.
- (b) 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.
- (c) The permittee fails to submit a report required by this plan approval.
- (d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

- (a) The permittee, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.
- (b) 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 this plan approval, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#011 [25 Pa. Code § 127.12c]**Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given on the plan approval transmittal letter or otherwise notified)

#012 [25 Pa. Code § 127.12(a)(9) & 40 CFR Part 68]**Risk Management**

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:
 - (1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

**SECTION B. General Plan Approval Requirements**

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or the Environmental Protection Agency concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this plan approval condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

#013 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. §§ 4001-4015).

#014 [25 Pa. Code § 127.25]**Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.

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

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

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

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

- (a) Construction or demolition of buildings or structures;
- (b) Grading, paving and maintenance of roads and streets;
- (c) 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;
- (d) Clearing of land;
- (e) Stockpiling of materials;
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14;
- (g) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting; (for quarries only)
- (h) Sources and classes of sources other than those identified in (a)-(f) above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

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

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

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

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

(a) The following opacity limitations apply to air contaminant sources at the facility other than the crematories listed as Source ID 101, 102, and 103 because more stringent opacity limitations apply to the crematories in Section D of this plan approval.

(b) A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (1) Equal to or greater than 20% for a period or periods aggregating more than three (3) minutes in any one (1) hour.
- (2) Equal to or greater than 60% at any time.

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

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

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from sources specified in 25 Pa. Code § 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

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

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

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

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.**# 008 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

009 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

(a) Except as specified in Section D or Section E of this plan approval, the permittee shall monitor the facility, once per operating day, for the following:

- (1) Odors which may be objectionable (as per 25 Pa. Code § 123.31).
- (2) Visible Emissions (as per 25 Pa. Code §§ 123.41 and 123.42).
- (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

- (1) Be investigated;
- (2) Be reported to the facility management, or individual(s) designated by the permittee;
- (3) Have appropriate corrective action taken (for emissions that originate on-site); and
- (4) Be recorded in a permanent written log.

**SECTION C. Site Level Plan Approval Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

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

011 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

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

V. REPORTING REQUIREMENTS.**# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

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

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

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

**SECTION C. Site Level Plan Approval Requirements**

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

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

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

(c) Paving and maintenance of roadways; and

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

014 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

015 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall ensure that all sources are operated and maintained in accordance with manufacturer's specifications and good engineering and air pollution control practices.

The sources listed in this plan approval shall be installed and operated in accordance with the plans submitted with the plan approval application (as approved herein).

VII. ADDITIONAL REQUIREMENTS.**# 016 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

This plan approval supersedes and incorporates terms and conditions of Plan Approval No. 09-0249A which is for the installation of Source ID 104.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 101

Source Name: TWO (2) MATTHEWS IE43-PPII CREMATORY UNITS

Source Capacity/Throughput:

N/A

Natural Gas

Conditions for this source occur in the following groups: GROUP 1

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall ensure that the incineration rate (i.e., the weight of the charge divided by the duration) of each cremation cycle in this crematory unit does not exceed 150 lbs/hr.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain the secondary chamber design (volume = 74 cubic foot, exhaust velocity = 2500 acfm) and operate the crematory properly such that the secondary chamber retention time is greater than 1.0 second

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Source ID 101 consists of two (2) Matthews Crematory units, Model No. Power Pak II IE43-PPII.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 103

Source Name: MATTHEWS 5-CHAMBER CREMATORY UNIT 1

Source Capacity/Throughput:

N/A

Natural Gas

Conditions for this source occur in the following groups: GROUP 1

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall ensure that the incineration rate (i.e., the weight of the charge divided by the duration) of each cremation cycle in this crematory unit does not exceed 250 lbs/hr.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain the secondary chamber design (volume = 145 cubic foot, exhaust velocity = 2500 acfm) and operate the crematory properly such that the secondary chamber retention time is greater than 1.0 second

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Source ID 103 consists of a five (5)-chamber Matthews Crematory unit, Model No. IEB-32-5S.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 104

Source Name: MATTHEWS 5-CHAMBER CREMATORY UNIT 2

Source Capacity/Throughput:

N/A

Natural Gas

Conditions for this source occur in the following groups: GROUP 1

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall ensure that the incineration rate (i.e., the weight of the charge divided by the duration) of each cremation cycle in this crematory unit does not exceed 250 lbs/hr.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

VI. WORK PRACTICE REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain the secondary chamber design (volume = 145 cubic foot, exhaust velocity = 2500 acfm) and operate the crematory properly such that the secondary chamber retention time is greater than 1.0 second.

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Source ID 104 consists of a five (5)-chamber Matthews Crematory unit, Model No. IEB-32-5S (Unit 2).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: GROUP 1

Group Description: Crematory Units

Sources included in this group

ID	Name
101	TWO (2) MATTHEWS IE43-PPII CREMATORY UNITS
103	MATTHEWS 5-CHAMBER CREMATORY UNIT 1
104	MATTHEWS 5-CHAMBER CREMATORY UNIT 2

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

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

The permittee shall ensure that the operation of the crematory shall not at any time result in the emission of sulfur compound emissions in excess of 500 parts per million, by volume, dry basis, as specified in 25 Pa. Code § 123.21.

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

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

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

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

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

Fuel Restriction(s).**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall burn only natural gas in the crematory burners.

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

If, at any time, the Department has cause to believe that air contaminant emissions from the crematory are in excess of the limitations specified in, or established pursuant to, any applicable regulation 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.**# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

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

**SECTION E. Source Group Plan Approval Restrictions.**

presence of visible and odor emissions. As an alternative to the visible emission stack observations, the operator may observe the output from the opacity monitoring device during each cremation cycle for the presence of visible emissions.

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

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

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

(a) The permittee shall continuously monitor the temperature of the exit from the primary combustion chamber and the temperature of the exit from the secondary combustion chamber of the crematory during each cremation cycle using a Type K Thermocouple or equivalent.

(b) The permittee shall ensure that temperature sensors are located such that flames from the burners do not impinge on the sensors.

IV. RECORDKEEPING REQUIREMENTS.**# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall maintain records of the following for this crematory unit:

(a) The temperature of the primary and secondary combustion chamber during each cremation cycle on a continuous basis;

(b) The lowest secondary combustion chamber temperature during each period of time that the loading door is opened for inspection and repositioning of the charge (from the digital display).

(c) The amount and type of fuel used on a monthly basis;

(d) The time (to the nearest minute) that the crematory unit is turned on (i.e., preheat), on an operating day basis.

(e) The time (to the nearest minute) that the crematory unit is turned off (i.e., shutdown), on an operating day basis.

(f) The starting and ending times (to the nearest minute) of each cremation cycle, and the duration (minutes and hours) of each cremation cycle.

(g) 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, and the duration (seconds) of each period of time that the loading door is opened for inspection and repositioning of the charge.

(h) The number of cremations performed on a monthly and 12-month rolling basis.

(i) The hours of operation, on a monthly and 12-month rolling basis.

(j) Operator training certifications and training program content;

(k) Burner adjustments and maintenance;

(l) Thermocouple calibrations, adjustments and replacements;

(m) The removal from the body and proper disposal of any implanted electronic devices and potentially hazardous remedial devices.

(n) The weight of the charge (pounds) before each cremation cycle.

**SECTION E. Source Group Plan Approval Restrictions.**

(o) The incineration rate (lbs/hr) (i.e., (n), above, divided by (f), above) of each cremation cycle.

009 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall maintain a copy of the stack test performed within the last five (5) years on an identical unit in order to demonstrate compliance with the particulate matter emission limitation of this plan approval.

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

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

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

V. REPORTING REQUIREMENTS.**# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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 Plan Approval.

VI. WORK PRACTICE REQUIREMENTS.**# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The permittee shall operate the crematory in such a manner as not to cause air pollution, as defined in 25 Pa. Code § 121.1.
- (b) The permittee shall operate and maintain the crematory in a manner consistent with good operating and maintenance practices.
- (c) The permittee shall ensure the crematory is attended by a trained operator at all times when the unit is in operation.
- (d) The permittee shall operate and maintain the crematory in accordance with the manufacturer's specifications and the applicable terms and conditions of this Plan Approval.

013 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall comply with one of 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.
- (b) 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.

014 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

**SECTION E. Source Group Plan Approval Restrictions.**

(b) In addition to the monitoring requirements specified in this plan approval, the permittee shall monitor the crematory unit for visible air contaminant emissions, via the opacity sensor of the crematory unit, whenever the loading door is opened for inspection and repositioning of the charge.

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

015 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

(b) The permittee shall only cremate animal remains and the container used to transport the remains.

(c) The permittee is prohibited from using the crematory to dispose of any animals used for commercial or medical experimentation purposes.

(d) The permittee shall not incinerate any other type of waste (e.g. hospital, medical, hazardous, chemotherapeutic, radioactive, etc.).

(e) The permittee shall ensure that no radioactive waste shall be burned unless approved by the Bureau of Radiation Protection.

(f) The permittee shall ensure that no infectious waste shall be burned in a crematory unless the infectious/hospital waste incinerator criteria is met.

(g) The permittee shall ensure that no municipal or industrial waste shall be burned.

(h) The permittee shall not cremate animal bodies whose weight exceeds the maximum rated capacity of the unit (e.g., 750 or 1,000 pounds), including the weight of the container.

016 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall arrange training provided by the manufacturer's representative or another qualified training source to provide adequate instruction to all operators of the crematory, 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.

(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.

(h) Recordkeeping requirements and procedures.

017 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall ensure that a manufacturer representative or another qualified technician adjust the burners at any

**SECTION E. Source Group Plan Approval Restrictions.**

appropriate time such as when the use of an approved fuel is initiated and when visible emissions are observed.

018 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall set the opacity sensor of this crematory unit to activate at 10% opacity.

019 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

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

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
101	TWO (2) MATTHEWS IE43-PPII CREMATORY UNITS		
Emission Limit		Pollutant	
0.080	gr/DRY FT3	corrected to 7% oxygen	PM10
500.000	PPMV	dry basis	SOX
103	MATTHEWS 5-CHAMBER CREMATORY UNIT 1		
Emission Limit		Pollutant	
0.080	gr/DRY FT3	corrected to 7% oxygen	PM10
500.000	PPMV	dry basis	SOX
104	MATTHEWS 5-CHAMBER CREMATORY UNIT 2		
Emission Limit		Pollutant	
0.080	gr/DRY FT3	corrected to 7% oxygen	PM10
500.000	PPMV	dry basis	SOX

Site Emission Restriction Summary

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

The location of the facility is 6 Steel Road, Morrisville, PA 19067.



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