COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date:	October 18, 2024	Effective Date:	October 16, 2026
Revision Date:	October 21, 2026	Expiration Date:	April 14, 2027
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. 15-0128B

Federal Tax Id - Plant Code: 23-2855315-2

Owner Information

Name: BRANDYWINE GREEN LLC
Mailing Address: 126 TURNER LN
WEST CHESTER, PA 19380-4563

Plant Information

Plant: BRANDYWINE GREEN LLC/DBA ABBEY GLENN
Location: 15 Chester County 15963 West Goshen Township
SIC Code: 7261 Services - Funeral Service And Crematories

Operator

Name: MATT POWERS [If different from owner]
Mailing Address: 126 TURNER LN
WEST CHESTER, PA 19380-4563

Responsible Official

Name: DREW FRASER
Title: SVP OPERATIONS
Phone: (647) 466 - 0116 Email: dfraser@gatewayservicesinc.com

Plan Approval Contact Person

Name: EMILY LARKIN
Title: ENV PERMIT MNGR
Phone: (301) 337 - 0553 Email: elarkin@gatewayservicesinc.com

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

Plan Approval Description
This Plan Approval is for the installation of a new animal crematory rated for 450-lb/hr, which will replace one of the facility's Crawford units (Source ID 101).

SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Plan Approval Inventory List

Section B. General Plan Approval Requirements

#001 Definitions
#002 Future Adoption of Requirements
#003 Plan Approval Temporary Operation
#004 Content of Applications
#005 Public Records and Confidential Information
#006 Plan Approval Terms and Conditions
#007 Transfer of Plan Approvals
#008 Inspection and Entry
#009 Plan Approval Changes for Cause
#010 Circumvention
#011 Submissions
#012 Risk Management
#013 Prohibition of Air Pollution
#014 Compliance Requirement

Section C. Site Level Plan Approval Requirements

C-I: Restrictions
C-II: Testing Requirements
C-III: Monitoring Requirements
C-IV: Recordkeeping Requirements
C-V: Reporting Requirements
C-VI: Work Practice Standards
C-VII: Additional Requirements
C-VIII: Compliance Certification
C-IX: Compliance Schedule

Section D. Source Level Plan Approval Requirements

D-I: Restrictions
D-II: Testing Requirements
D-III: Monitoring Requirements
D-IV: Recordkeeping Requirements
D-V: Reporting Requirements
D-VI: Work Practice Standards
D-VII: Additional Requirements

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

Section E. Source Group Restrictions

E-I: Restrictions
E-II: Testing Requirements
E-III: Monitoring Requirements
E-IV: Recordkeeping Requirements
E-V: Reporting Requirements
E-VI: Work Practice Standards
E-VII: Additional Requirements

Section F. Alternative Operating Scenario(s)

F-I: Restrictions
F-II: Testing Requirements

SECTION A. Table of Contents

F-III: Monitoring Requirements
F-IV: Recordkeeping Requirements
F-V: Reporting Requirements
F-VI: Work Practice Standards
F-VII: Additional Requirements

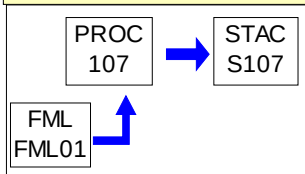
Section G. Emission Restriction Summary

Section H. Miscellaneous

SECTION A. Plan Approval Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
107	THERM TEC G50P	3,431.000 CF/HR 450.000 Lbs/HR	Natural Gas ANIMAL BODIES
FML01	NATURAL GAS		
S107	THERM TEC G50P 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.

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

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.

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

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).

V. REPORTING REQUIREMENTS.

 # 001 [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. 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.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate

SECTION C. Site Level Plan Approval Requirements

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.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Per the enactment of the Pennsylvania Crematory Regulation Act, Act of Jun. 17, 2024, P.L. 403, No. 26, § 3, this Plan Approval supercedes the requirement for all crematories at this facility to operate with a minimum secondary temperature of 1,800 °F. As of August 16, 2024, all crematories at this facility are approved to operate with a minimum secondary temperature of 1,600 °F.

(b) The following additional requirements apply to all crematories at the facility, in accordance with the Pennsylvania Crematory Regulation Act, superceding any conflicting requirements currently in State Only Operating Permit No. 15-00128:

(1) Each crematory shall be operated with an interlock system that precludes charging of the primary chamber until the secondary or last chamber exit temperature is established and holding at 1,600 °F.

(2) The operator may open the charge door during the cremation cycle for short periods of time to inspect or reposition the remains.

VII. ADDITIONAL REQUIREMENTS.

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

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: 107 Source Name: THERM TEC G50P

Source Capacity/Throughput: 3,431.000 CF/HR Natural Gas
450.000 Lbs/HR ANIMAL BODIES



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]
Plan approval terms and conditions.

The emissions of filterable particulate matter (PM) from this source shall not exceed 0.08 gr/dscf, corrected to 7% oxygen.

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

Visible emissions from this crematory shall not exceed:

(a) 10% for a period or periods aggregating more than three minutes in any hour; or
(b) 30% at any time.

 # 003 [25 Pa. Code §123.21]
General

Sulfur oxide (SOx) emissions from this source shall not exceed 500 parts per million, by volume, dry basis.

 # 004 [25 Pa. Code §123.31]
Limitations

This source shall not result in any malodorous air contaminants such that the malodors are detectable outside the permittee's property.

Fuel Restriction(s).

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

(a) This source shall only burn natural gas as fuel, unless prior approval is received from the Department.

(b) Combustion of natural gas shall be limited to 30.006 MMcf of natural gas per 12-month rolling period.

Throughput Restriction(s).

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

(a) This crematory shall not be used to cremate animal bodies whose weight exceeds 5,000 pounds.

(b) Upon startup and shakedown of the crematory, the permittee shall limit the operation of the crematory to 150 lbs/hr until either:

(1) The crematory can be tested at a higher throughput rate; or,

SECTION D. Source Level Plan Approval Requirements

(2) The permittee can provide a copy of a stack test performed on the same make and model unit operating at or near 450 lbs/hr, and complying with applicable limits.

II. TESTING REQUIREMENTS.

 # 007 [25 Pa. Code §139.3]

General requirements.

A tune-up shall be performed at least every 12 months on each crematory combustion system, to ensure that burners are operating properly, while minimizing emissions. Tune-ups shall be performed as recommended by the manufacturer.

 # 008 [25 Pa. Code §139.3]

General requirements.

(a) If the permittee intends to operate this crematory at a rate greater than 150 lbs/hr, and the permittee is not able to provide stack testing results for the same make and model crematory at a higher throughput rate that complies with the applicable particulate matter emission limitation, then the permittee shall perform stack testing at or near the rate at which the permittee would like to operate at.

(b) Stack testing shall be performed in accordance with the provisions of Chapter 139 to show compliance to a filterable PM emission limit of 0.08 gr/dscf, corrected to 7% oxygen. Compliance shall be determined using EPA's Method 5.

(c) At least sixty (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager shall be informed of the date and time of the test.

(e) During the stack test, the crematory unit shall be operating at a minimum of 90 percent of maximum capacity, or greater. Additionally, the following information shall be documented during the stack test at 15 minute intervals, include at the beginning of each test run and at the end of each test run:

(1) Amount of animal bodies and remains in the crematorium.
(2) Time of operation of the crematorium.
(3) Temperatures in the primary and secondary chamber.
(4) Times when doors are opened for stoking or changing out a load.

(f) Within thirty (30) days after the source test(s), the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

III. MONITORING REQUIREMENTS.

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

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

(a) Odors, which may be objectionable at a point on the property line downwind of the stack of the crematory unit.

(b) Visible emissions at the stack of the crematory unit, as observed with the sun located above and/or behind the observer.

 # 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall install, maintain, and operate temperature monitors to measure the temperature at the exit from the

SECTION D. Source Level Plan Approval Requirements

primary combustion chamber and at the exit from the secondary chamber. Sensors shall be located such that flames from the burners do not impinge on the sensors.

(b) The temperature monitor for the secondary chamber shall be installed such that the temperature is measured after a one (1) second retention time in the secondary chamber. Based on the designs in the application, the thermocouple should be placed at a minimum distance of 4 feet from the secondary chamber.

 # 011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This cremation unit shall be equipped with a fuel gauge to track and monitor the total fuel usage on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

 # 012 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain records of:

(a) Visible and odor emission observations, per each cremation, and any corrective actions;

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

(c) The total amount of natural gas burned by the crematory, on a monthly basis and as a 12-month rolling sum;

(d) The hours of operation;

(e) The number of cremations performed;

(f) Weight of each cremation;

(g) The date, times, and duration for each time the crematory is stoked.

(h) Operator training certifications and training program content;

(i) Burner adjustments and maintenance;

(j) Thermocouple calibrations, adjustments and replacements; and

(k) The removal from the body and proper disposal of any implanted electronic devices and potentially hazardous remedial devices (as discussed under Work Practice Requirements for this source).

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).

VI. WORK PRACTICE REQUIREMENTS.

 # 013 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The manufacturer's representative or another qualified technician shall adjust the burners at the appropriate times such as when the use of an approved fuel is initiated or when visible emissions are observed.

SECTION D. Source Level Plan Approval Requirements

 # 014 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The manufacturer's representative or another qualified training source shall provide adequate instruction to all operators of each crematory prior to an operator using the crematory. Training shall include hands-on control of the unit for at least two operating cycles. The training shall also 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; and

(h) Recordkeeping requirements and procedures.

 # 015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Any time an animal crematorium is operated, a trained operator shall attend it for the full duration that the unit is in operation.

 # 016 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) If during an exhaust stack inspection it is determined that there are visible or odor emissions emanating from the stack, the permittee shall take immediate action to eliminate them; and

(b) 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 and odor emission limitations specified under Emission Restrictions for this crematory.

 # 017 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) This source shall only cremate animal remains and the container used to transport the remains.

(b) This source shall not be used to dispose of any animals used for commercial or medical experimentation purposes.

(c) This source shall not be used to incinerate any other type of waste (e.g. hospital, medical, hazardous, chemotherapeutic, radioactive, etc.).

(d) During the cremation process, the secondary chamber shall operate at a minimum temperature of 1,600°F or greater, until the cremation process is completed.

(e) The owner or operator 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.

SECTION D. Source Level Plan Approval Requirements

 # 018 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additonal authority for this permit condition is derived from the Crematory Regulation Act (35 P.S. §§ 1124-1129)]

The crematory shall be equipped with interlock system that precludes charging of the primary chamber until the secondary (or last) chamber exit temperature is established and holding at 1,600°F.

 # 019 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

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

 # 020 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The crematory shall be operated and maintained in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

 # 021 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Source ID 107 is a Therm Tec crematory, Model No. G50P, with a maximum Safe Load Capacity of 5,000 pounds and a Rated Capacity of 450 pounds per hour.

(b) The primary chamber is equipped with one (1) burner, rated 3.5 MMBtu/hr. The secondary chamber is equipped with two (2) burners, each rated 1.5 MMBtu.

SECTION E. Source Group Plan Approval Restrictions.

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Plan Approval facility.

SECTION G. Emission Restriction Summary.

Source Id	Source Description
107	THERM TEC G50P

Emission Limit			Pollutant
0.080	gr/DRY FT3		PM_FILT
500.000	PPMV	Determined on a dry basis	SOX

Site Emission Restriction Summary

Emission Limit	Pollutant

SECTION H. Miscellaneous.

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