COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: October 26, 2026 Effective Date: October 26, 2026

Expiration Date: April 26, 2028

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. 14-00003L

Federal Tax Id - Plant Code: 24-6000376-1

Owner Information

Name: PA STATE UNIV
Mailing Address: 1250 FOX HOLLOW RD
ROOM 114
STATE COLLEGE, PA 16803-6778

Plant Information

Plant: PA STATE UNIV/UNIV PARK CAMPUS
Location: 14 Centre County 14001 State College Borough
SIC Code: 8221 Services - Colleges And Universities

Responsible Official

Name: CARL HECK
Title: SR DIR OF OPERATIONS
Phone: (814) 865 - 8911 Email: ckh5446@psu.edu

Plan Approval Contact Person

Name: GARY A HELSEL
Title: ENV COMPLIANCE ENGINEER
Phone: (814) 863 - 7339 Email: gah100@psu.edu

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION

Plan Approval Description

Plan Approval 14-00003L is for the modification of the University Park Campus' existing Animal Diagnostic Lab (ADL) Incinerator to cease combustion of Hospital/Medical/Infectious Waste. After the modification, the ADL Incinerator will no longer be classified as a HMIWI and will not be subject to the requirements of 40 CFR Part 62 Subpart HHH. The modified ADL Incinerator will primarily be used to incinerate animal remains and is subject to regulatory requirements for crematory incinerators.

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

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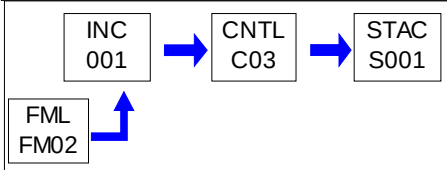
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SECTION A. Plan Approval Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
001	ADL CREMATORY INCINERATOR		
C03	WET SCRUBBER SYSTEM		
FM02	REMAINING CAMPUS NAT GAS LINE		
S001	INCINERATOR 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

Each source shall submit reports to the Department containing the information the Department may prescribe relative to the operation and maintenance of the source.

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:

SECTION B. General Plan Approval 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:

(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 §123.1]

Prohibition of certain fugitive emissions

No person may permit the emission into the outdoor atmosphere of fugitive air contaminants 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) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.

(8) Sources and classes of sources other than those identified 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:

(a) The emissions are of minor significance with respect to causing air pollution.
(b) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in § 123.1(a)(1) -- (8) (Condition # 001 of this section) above if the emissions are visible at the point the emissions pass outside the person's property.

 # 003 [25 Pa. Code §123.41]

Limitations

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 minutes in any 1 hour.

(2) Equal to or greater than 60% at any time.

 # 004 [25 Pa. Code §123.42]

Exceptions

The limitations of 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

(1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.

(2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(3) When the emission results from sources specified in 123.1(a)(1) -- (8) (Condition # 001 of this section).

(4) When arising from the production of agricultural commodities in their unmanufactured state on the premises of the

SECTION C. Site Level Plan Approval Requirements

farm operation.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from the permittee requesting these limitations]

(a) The combined total hazardous air pollutant emissions, from all sources at the facility, shall not equal or exceed 25 tons in any 12 consecutive month period.

(b) The combined emissions of any single hazardous air pollutant, from all sources at the facility, shall not equal or exceed 10 tons in any 12 consecutive month period.

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The boilers located at the facility's West Campus Steam Plant, which include Source IDs 031B, 032B, and 035, shall not emit sulfur oxides (SOx, expressed as SO2) at rates in excess of 0.0006 lb/MMBtu of heat input when combusting natural gas and 0.051 lb/MMBtu of heat input when combusting #2 fuel oil.

Fuel Restriction(s).

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 123.22(a)(2)]

(a) Any fuel oil burned in any source at this facility shall be #2 or lighter virgin fuel oil to which no reclaimed or waste oil or other waste materials have been added.

(b) The sulfur content of #2 fuel oil shall not, at any time, exceed 0.0015% (by weight).

II. TESTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511]

(a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing an EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One electronic copy shall be sent to the Northcentral Regional Office Air Quality Program Manager and one electronic copy shall be sent to the PSIMS Administrator in Central Office. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.

(d) Pursuant to 25 Pa. Code § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

SECTION C. Site Level Plan Approval Requirements

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable permit condition.
4. Statement of compliance or non-compliance with each applicable permit condition.

(e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(f) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(g) Pursuant to 25 Pa. Code § § 139.53(a)(1) and 139.53(a)(3), electronic copies of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager, with deadlines verified. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. Email addresses are provided on the PA DEP website.

(h) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall perform tests or provide a fuel certification report for the type and the percent sulfur by weight for each shipment of fuel delivered to this facility,

OR

(a) The permittee shall provide a fuel certification report obtained from the fuel oil supplier once a year stating that fuel delivered to the facility is #2 fuel oil and the sulfur percentage for each shipment of fuel delivered to the facility during the year shall not exceed 0.0015% sulfur by weight.

(b) All testing and fuel certification reports shall be in accordance with the provisions of 25 Pa. Code Chapter 139.

 # 010 [25 Pa. Code §127.513]

Compliance certification.

The Department specifically reserves the right to require testing of a source at any time if it has the reason to believe that the emission limitations set forth in any condition of this permit are being exceeded.

 # 011 [25 Pa. Code §139.1]

Sampling facilities.

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on a source. The Department will set forth, in the request, the time period in which the facilities shall be provided, as well as the specifications for such facilities.

 # 012 [25 Pa. Code §139.11]

General requirements.

(1) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the respective source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.
(2) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, at a minimum, all of the following:

SECTION C. Site Level Plan Approval Requirements

(a) A thorough source description, including a description of any air cleaning devices and the flue.
(b) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature, and other conditions which may affect emissions from the process.
(c) The location of the sampling ports.
(d) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO2, O2 and N2), static and barometric pressures.
(e) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
(f) Laboratory procedures and results.
(g) Calculated results.

III. MONITORING REQUIREMENTS.

 # 013 [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.

 # 014 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511]

(a) The permittee shall conduct a weekly inspection around the West Campus Steam Plant (WCSP), East Campus Steam Plant (ECSP) and incinerator (Source ID 001) locations during daylight hours when the plants and incinerator are in operation to detect visible emissions, fugitive visible emissions and malodorous air emissions. Weekly inspections are necessary to determine:

(1) the presence of visible emissions,
(2) the presence of fugitive visible emissions beyond the plant property boundaries,
(3) the presence of malodors beyond the boundaries of the facility.

(b) All detected visible emissions, visible fugitive emissions or malodors that have the potential to exceed applicable limits shall be reported to the manager of the facility.

IV. RECORDKEEPING REQUIREMENTS.

 # 015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511]

(a) The permittee shall maintain a logbook of the facility's weekly inspections performed. The logbook shall include the name of the company representative performing the inspection, the date and time of inspections, any instances of exceedances of visible emissions limitations, visible fugitive emissions limitations and malodorous air emissions limitations, and the name of the manager informed if a potential exceedance is observed. The permittee shall also record any and all corrective action(s) taken to abate each recorded deviation to prevent future occurrences.

(b) Records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

 # 016 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall keep records of tests or fuel certification reports of the percent sulfur by weight for each delivery of the #2 fuel oil or diesel fuel delivered to the facility to verify compliance with the 0.0015% by weight sulfur content limitation.

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OR

(a) The permittee shall keep records of fuel certification reports obtained yearly from the #2 fuel oil supplier containing the name of the fuel oil supplier and stating that the sulfur percentage for each shipment of #2 fuel oil delivered to the facility during the year shall not exceed 0.0015% sulfur by weight.

(b) These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

 # 017 [25 Pa. Code §135.5]

Recordkeeping

(a) The permittee shall maintain such records, including computerized records, as may be necessary to comply with 25 Pa. Code §§135.3 and 135.21. These may include records of production, fuel usage, equipment maintenance or other information determined by the Department to be necessary for identification and quantification of air contaminant emissions.

(b) Any records maintained pursuant to this condition shall be retained for at least five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

 # 018 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall submit all requested reports in accordance with the Department's suggested format.

 # 019 [25 Pa. Code §127.442]

Reporting requirements.

Malfunctions, Emergencies or Incidents of Excess Emissions

(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,
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.

SECTION C. Site Level Plan Approval Requirements

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

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

(g) Any emissions resulting from a 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.

 # 020 [25 Pa. Code §135.21]

Emission statements

(a) The permittee shall provide the Department with a statement of each stationary source in a form as prescribed by the Department, showing the actual emissions of oxides of nitrogen from the permitted facility for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based.

(b) The annual emission statements are due by March 1 for the preceding calendar year and shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate. The Emission Statement shall provide data consistent with requirements and guidance developed by the EPA.

(c) The Department may require more frequent submittals if the Department determines that one or more of the following applies:
(1) A more frequent submission is required by the EPA.
(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the Air Pollution Control Act.

VI. WORK PRACTICE REQUIREMENTS.

 # 021 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions for any source specified in (1) through (8) in Condition #001 herein to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

(2) Applications of asphalt, oil, 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.

VII. ADDITIONAL REQUIREMENTS.

 # 022 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

 # 023 [25 Pa. Code §123.31]

Limitations

The permittee shall not permit the emission of any malodorous air contaminants into the outdoor atmosphere from any

SECTION C. Site Level Plan Approval Requirements

source in such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

 # 024 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Nothing in this Operating Permit relieves the facility owner or operator from the obligation to comply with all applicable federal, state and local laws and regulations.

 # 025 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

All conditions contained in Title V Operating Permit 14-00003 shall remain in effect unless superseded or amended by conditions contained in this plan approval. If there is a conflict between a condition or requirement contained in this plan approval and a condition or requirement contained in Title V Operating Permit 14-00003, the permittee shall comply with the condition or requirement contained in this plan approval rather than the conflicting condition or requirement contained in Title V Operating Permit 14-00003. Nothing in this plan approval relieves the permittee from complying with the requirements in TVOP 14-00003 that are not in conflict with the requirements in this plan approval.

 # 026 [25 Pa. Code §129.14]

Open burning operations

The permittee shall not permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

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: 001 Source Name: ADL CREMATORY INCINERATOR

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Hydrogen chloride emissions from Source ID 001 shall not exceed 30 ppmv, hourly average, corrected to 7% O2 on a dry basis; or, shall be reduced by 90% by weight on an hourly basis.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to 25 Pa. Code Section 129.112(c)(1), the nitrogen oxides emissions from Source ID 001 shall be less than 5 tons per year.

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Compliance with this streamlined permit condition assures compliance with the requirement of 25 Pa. Code Section 123.41]

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Visible air contaminants from Source ID 001 shall not be emitted in such a manner that the opacity of the emissions is equal to or greater than 10% for a period, or periods aggregating more than 3 minutes in any one hour; or equal to or greater than 30% at any time.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Sulfur dioxide emissions from Source ID 001 shall not exceed 30 ppmv, hourly average, corrected to 7% O2 on a dry basis; or, shall be reduced by 75% by weight on an eight-hour basis.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Filterable Particulate Matter emissions from Source ID 001 shall not exceed 0.08 gr/dscf, hourly average, corrected to 7% O2.

Fuel Restriction(s).

 # 006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Source ID 001 shall only be fired on natural gas.

SECTION D. Source Level Plan Approval Requirements

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

[Additional authority for this permit condition is derived from a request by the permittee]

No Hospital / Medical / Infectious Waste shall be incinerated in Source ID 001.

Throughput Restriction(s).

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

The maximum charge rate to Source ID 001 shall not exceed 500 pounds of waste over any 1-hour period.

II. TESTING REQUIREMENTS.

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

(a) Within 60 months of the most recent test conducted on Source ID 001, the permittee shall submit a source testing protocol for an EPA reference method testing program for determining the emission rate of filterable particulate matter from Source ID 001 (Method 5).

(b) The permittee shall respond to any request for additional information from BAQ Source Testing within 30 days, or as allowed by the Department.

(c) Within 90 days of receipt of an approved testing protocol from BAQ Source Testing, the permittee shall conduct the approved EPA reference method testing program while Source ID 001 is operating at plus or minus 10 percent of peak process load, or at other load as approved by the Department.

(d) The stack testing shall consist of 3 separate test runs and shall be performed using stack testing procedures which are acceptable to the Department of Environmental Protection and consistent with the requirements of 25 Pa. Code Chapter 139.

(e) The Department may require the permittee to conduct additional source testing if it is determined that the air contaminant emissions from Source ID 001 are, or may be, in excess of an applicable air contaminant emission limitation.

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

The Department shall be given 14 days notice of the scheduled dates for the performance of all testing required by this permit on Source ID 001. The Department is under no obligation to accept the results of any testing performed without adequate advance notice having been provided.

III. MONITORING REQUIREMENTS.

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

The Department reserves the right to require the permittee to install a continuous SO2 monitor at any time.

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

The permittee shall verify compliance with the visible and odor limitations for this source through the following procedures:

(i) A trained operator shall observe the exhaust stack of Source ID 001 at least once during each cremation cycle for the presence of visible and odor emissions. 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 incinerator during each cremation cycle, this shall be deemed to establish compliance with the applicable visible and odor emissions limitations for this source.

SECTION D. Source Level Plan Approval Requirements

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

(iii) If any visible or odor emissions are apparent after the corrective action, Source ID 001 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, such as Method 9 readings taken by a certified visible emissions reader.

IV. RECORDKEEPING REQUIREMENTS.

 # 013 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to 25 Pa. Code Section 129.115(f), the permittee shall maintain comprehensive, accurate records of the following with respect to Source ID 001:

(a) Verification that the nitrogen oxides are less than 5 tons per year;

(b) Verification of maintenance and operation in accordance with manufacturer's specifications and good operating practices.

 # 014 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall create and maintain records of the following for Source ID 001:

(i) The name of the operator performing the cremation;

(ii) Visible and odor emission observations including the name of the operator conducting the observation, the date and time of the observation, and any corrective actions;

(iii) The temperature of the primary and secondary (or last) combustion chambers during each cremation cycle on a continuous basis;

(iv) The time and corresponding exit temperatures of the primary and secondary (or last) combustion chamber when charging the unit;

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

(vi) The hours of operation;

(vii) The number of cremations performed;

(viii) The time, date, and duration of when the charge door is opened during the cremation cycle;

(ix) Operator training certifications and training program content;

(x) Burner adjustments and maintenance; and,

(xi) Thermocouple calibrations, adjustments, and replacements.

(b) These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

 # 015 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The primary chamber temperature and secondary chamber exit temperature shall be continuously measured and recorded.

SECTION D. Source Level Plan Approval Requirements

Sensors shall be located such that flames from the burners do not impinge on the sensors. The permittee shall additionally comply with all applicable requirements specified for these monitoring systems in 25 Pa. Code Chapter 139 and the Department of Environmental Protection's "Continuous Source Monitoring Manual".

V. REPORTING REQUIREMENTS.

 # 016 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511]

(a) The permittee shall notify the Department of any malfunction of the secondary combustion chamber exit gas temperature monitoring and recording system which renders the system inoperable or is causing suspect temperature readings. The permittee shall also notify the Department of any failure of process equipment, any failure of any air pollution control equipment, any failure in monitoring equipment, or any process operational error which results in an increase in emissions above any allowable emission rate.

(b) The permittee shall comply with the Site Level Condition pertaining to reporting malfunctions for reporting the above requirements to the Department.

VI. WORK PRACTICE REQUIREMENTS.

 # 017 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

In the event of scrubber (ID C03) malfunction, the permittee shall immediately cease the waste feed to the incinerator (Source ID 001) and shall continue to maintain the temperature of secondary chamber at 1,600 degrees Fahrenheit until the combustion in the primary chamber has ceased.

 # 018 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to 25 Pa. Code Section 129.112(c)(1), Source ID 001 shall be maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

 # 019 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Before charging the unit, the temperature at the exit of the secondary chamber shall achieve and be maintained at or above 1,600°F throughout the cremation cycle; or, if charging when both chambers are cold, the temperature at the exit of the secondary chamber shall achieve and be maintained at or above 1,600°F before firing of the primary chamber burner and throughout the cremation cycle.

(b) The crematory incinerator shall provide an interlock system that precludes charging of the primary chamber until the secondary chamber exit temperature is established and holding at 1,600°F; or, if charging when both chambers are cold, the crematory incinerator shall provide an interlock system that precludes firing the primary chamber burner until the secondary chamber exit temperature is established and holding at 1,600°F.

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

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

 # 020 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall maintain equipment that will limit the charging of material to Source ID 001 so as not to exceed 500 pounds over any 1-hour period.

SECTION D. Source Level Plan Approval Requirements

 # 021 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The manufacturer's representative or another qualified training source shall provide adequate instruction to all new operators of Source ID 001, including hands-on control of the unit for at least two operating cycles. The training shall include the following elements:

(1) Principles of combustion;

(2) Operating monitors and controls;

(3) Operating sequence under normal conditions;

(4) Safety and operating procedures under foreseeable upset conditions (e.g. larger remains, power or fuel interruption, burner malfunction, visible emissions, high and low temperature incidents, etc.);

(5) Regulatory requirements;

(6) Calibration, adjustment, and replacement of thermocouples;

(7) Preventative maintenance practices and procedures and recommended frequency; and

(8) Recordkeeping requirements and procedures.

(b) Current operators of Source ID 001 that have already received operator training pursuant to EPA requirements as of the issuance date of this plan approval are considered "existing" operators and are not subject to the requirements of subparagraph (a) of this condition.

 # 022 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Source ID 001 shall be attended by a trained operator at all times when the source is in operation.

 # 023 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

If nighttime operation of Source ID 001 is to occur, adequate artificial lighting of the stack outlet must be provided to enable observations of visible emissions from the stack to occur at night.

VII. ADDITIONAL REQUIREMENTS.

 # 024 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Source ID 001 is a hydraulically loaded, dual chamber, Crawford model C5000P animal crematory incinerator rated at 500 pounds of material input per hour. Source ID 001 is to be used to incinerate animal remains and the containers used to transport the remains. The permittee may also use Source ID 001 to incinerate expired pharmaceuticals, drugs confiscated by state and local law enforcement agencies, old police uniforms, and evidence from previous court cases as a service to the Commonwealth of PA Attorney General's Office in conjunction with the PA State Police.

(b) The air contaminant emissions from Source ID 001 shall be controlled by an Emocotek Corporation, Model 150H-2200 "Rotary Atomizing" wet scrubber system (ID C03) with associated Baltimore Aircoil cooling tower model 15296 and a Tranter PHE, Inc. plate & frame heat exchangers.

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.

No emission restrictions listed in this section of the permit.

SECTION H. Miscellaneous.

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