



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: June 3, 2026

Effective Date: June 3, 2026

Expiration Date: December 3, 2027

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to 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. 14-00043B

Federal Tax Id - Plant Code: 25-1195933-2

Owner Information

Name: UNIV AREA JT AUTH

Mailing Address: 1576 SPRING VALLEY ROAD
STATE COLLEGE, PA 16801

Plant Information

Plant: UNIV AREA JOINT AUTH/SPRING CREEK STP

Location: 14 Centre County

14908 College Township

SIC Code: 4952 Trans. & Utilities - Sewerage Systems

Responsible Official

Name: JASON BROWN

Title: ASST EXEC DIRECTOR

Phone: (814) 238 - 5361

Email: jbrown@uaja.org

Plan Approval Contact Person

Name: JASON BROWN

Title: ASST EXEC DIRECTOR

Phone: (814) 238 - 5361

Email: jbrown@uaja.org

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



Plan Approval Description

This plan approval is being issued for the construction of (2) two 6.0 MMBtu/hr natural gas-fired Cleaver Brooks FLX HW 600 boilers, one (1) Varec 244 WS emergency flare, one (1) 10.0 MMBtu/hr Fulton FT-C 1000 natural gas-fired thermal oil heater, and one (1) Veolia BioCon sludge dryer.



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

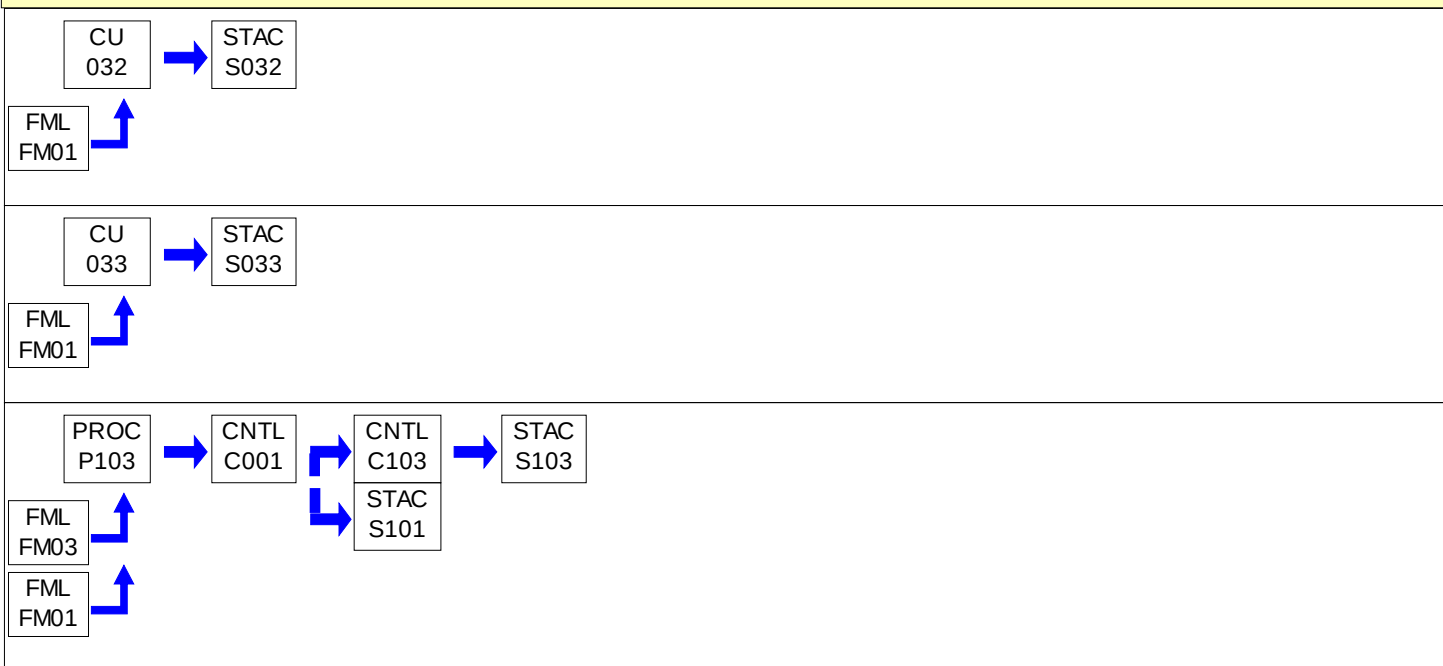
F-III: Monitoring Requirements
F-IV: Recordkeeping Requirements
F-V: Reporting Requirements
F-VI: Work Practice Standards
F-VII: Additional Requirements

Section G. Emission Restriction Summary

Section H. Miscellaneous

**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
032	BOILERS	6.000 MMBTU/HR	
033	THERMAL OIL HEATER	10.000 MMBTU/HR	
P103	SLUDGE DRYER		
C001	BIOFILTER		
C103	EMERGENCY FLARE		
FM01	NATURAL GAS UTILITY LINE		
FM03	BIOGAS		
S032	BOILER STACK		
S033	THERMAL OIL HEATER STACK		
S101	BIOFILTER STACK		
S103	EMERGENCY FLARE 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 §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 emission 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**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #001(1)-(8) above, if the emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of 25 Pa. Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations,
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions,
- (3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).

II. TESTING REQUIREMENTS.**# 004 [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.

005 [25 Pa. Code §139.11]**General requirements.**

- (a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be

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

requested by the Department.

(b) 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, as a minimum, all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue,
- (2) 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,
- (3) The location of sampling ports,
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO₂, O₂ and N₂), static and barometric pressures,
- (5) 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,
- (6) Laboratory procedures and results,
- (7) Calculated results.

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

(a) The permittee shall conduct a weekly inspection of the facility during daylight hours while the facility is operating to detect the presence of visible air contaminant emissions, visible fugitive air contaminant emissions and malodorous air contaminant emissions in excess of applicable emission limits.

(b) All visible air contaminant emissions, visible fugitive air contaminant emissions and malodorous air contaminant emissions observed to be in excess of an emission limit shall be reported to the manager of the facility at once.

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

(a) The permittee shall keep a logbook of the weekly inspections required pursuant to Condition #008 herein. The logbook shall include the name of the company representative performing each inspection, the date and time of each inspection, a description of any visible air contaminant emission, fugitive air contaminant emission or malodorous air contamination observed to be in excess of an emission limit, the name of the facility manager to whom notice of any observed excessive emission was given, a description of any corrective action taken to eliminate/reduce any observed excessive emission and the date and time any such corrective action taken.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.**# 008 [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.

009 [25 Pa. Code §127.442]**Reporting requirements.**

(a) The permittee shall report malfunctions to the Department. As defined in 40 CFR § 60.2 and incorporated by reference in 25 Pa. Code Chapter 122, a malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution

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

control equipment, process equipment, or a process to operate in a normal or usual manner. Malfunctions that are not resulting in, or potentially resulting in, air contaminant emissions in excess of an applicable air contaminant emission limitation and/or are not resulting in, or potentially resulting in, noncompliance with any condition contained in this operating permit do not have to be reported. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(b) Failures that are caused in part by poor maintenance or careless operation shall be reported as excess emissions or deviations from the permit requirements.

(c) When the malfunction, excess emission or deviation from the permit requirements poses an imminent and substantial danger to the public health and safety or environment, the permittee shall notify the Department by telephone no later than one (1) hour after the incident.

(d) Any malfunction, excess emission or deviation from the permit requirements that is not subject to the notice requirements of subsection (c) of this permit condition shall be reported to the Department within twenty-four (24) hours of discovery. In notifying the Department, the permittee shall describe the following:

- (i) name and location of the facility,
- (ii) nature and cause of the malfunction or breakdown,
- (iii) time when the malfunction or breakdown was first observed,
- (iv) expected duration of excess emissions,
- (v) estimated rate of emissions,
- (vi) corrective actions or preventative measures taken.

(e) The permittee shall notify the Department immediately when corrective measures have been accomplished.

(f) Upon the request of the Department, the permittee shall submit a full written report to the Regional Air Program Manager within fifteen (15) days of the malfunction, excess emission or deviation from the permit requirements.

VI. WORK PRACTICE REQUIREMENTS.**# 010 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne as specified in 25 Pa. Code Section 123.1 subsection(s) (a)(1)-(7) or (a)(9). 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) Application 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.

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

**SECTION C. Site Level Plan Approval 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: 032

Source Name: BOILERS

Source Capacity/Throughput:

6.000 MMBTU/HR

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

001 [25 Pa. Code §123.11]

Combustion units

Source ID 032 shall not emit particulate matter in excess of the rate of 0.40 pounds per million Btu of heat input.

002 [25 Pa. Code §123.22]

Combustion unitsThe permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO₂), into the outdoor atmosphere from Source ID 032 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.**Fuel Restriction(s).**

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall operate Source ID 032 on natural gas only.

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.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this plan approval condition is derived from the permittee requesting this recordkeeping]

(a) The permittee shall maintain the following records for Source ID 032:

- (1) Monthly and 12-month rolling total fuel usage.
- (2) Monthly and 12-month rolling total air emission (e.g. CO, NO_x, SO_x, VOC, PM-10 and HAPs).
- (3) Monthly and 12-month rolling total days and total hours of operation for both boilers.

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

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

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this plan approval condition is derived from the permittee requesting this limitation]

The permittee shall only operate one (1) of the two (2) boilers incorporated in Source 032 at a time.

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Source 032 consists of two (2) 6.00 MMBtu/hr Cleaver Brooks FLX HW 600, natural gas-fired boilers.

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

Source ID: 033

Source Name: THERMAL OIL HEATER

Source Capacity/Throughput:

10.000 MMBTU/HR

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Source ID 033 shall not emit particulate matter in excess of the rate of 0.40 pounds per million Btu of heat input.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO₂), into the atmosphere from Source ID 033 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.**Fuel Restriction(s).**

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Source ID 033 shall only be operated on natural gas.

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.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Compliance with this permit condition ensures compliance with 40 CFR 60.48c(g)(2)]

(a) The permittee shall maintain records of natural gas usage by Source ID 033 each month.

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

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this plan approval condition is derived from the permittee requesting this record keeping]

(a) The permittee shall maintain the following records for Source ID 033:

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

- (1) Monthly and 12-month rolling total fuel usage.
- (2) Monthly and 12-month rolling total air emission (e.g. CO, Nox, SOx, VOC, PM-10 and HAPs).
- (3) Monthly and 12-month rolling total days and total hours of operation.

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

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.

006 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology provisions of 25 Pa. Code 127.1 and 127.12, the use of Good Combustion Practices shall be performed at all times the unit is in operation.

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Source 033 consists of one (1) 10.0 MMBtu/hr, natural gas-fired, Fulton FT-C 1000 Thermal Oil Heater.

008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

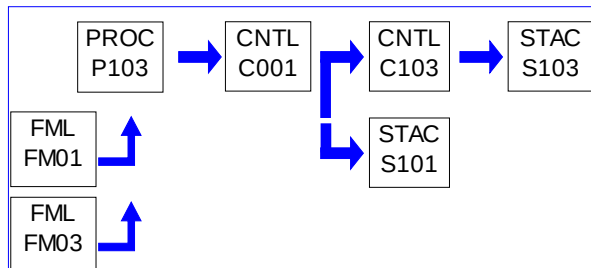
Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, all maintenance and tune-ups shall be performed as per the manufacturer recommendations.

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

Source ID: P103

Source Name: SLUDGE DRYER

Source Capacity/Throughput:

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

[Compliance with this permit condition assures compliance with the provisions of 25 Pa. Code Section 123.13]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the particulate matter emissions from the exhaust of ID C103 associated with Source ID P103 shall not exceed 0.111 lb/hr and 0.46 tons in any 12 month rolling total.

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

[Compliance with this permit condition assures compliance with the provisions of 25 Pa. Code Section 123.31]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the permittee may not permit the emission from Source ID P103 into the outdoor atmosphere of any malodorous air contaminants in such a manner that the malodors are detectable outside the property boundary.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the air contaminant emissions from Source ID P103 vented through Control Device C103, shall not exceed 438 hours per 12 month rolling total.

II. TESTING REQUIREMENTS.**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall perform particulate matter stack tests from the exhaust of ID C001 associated with Source ID P103 within 120 days from the commencement of operation of Source ID P103 to demonstrate compliance with the particulate matter emission limitation. All testing is to be done while Source ID P103 is operating at its maximum rate and using reference method test procedures acceptable to the Department.

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

At least sixty (60) days prior to the performance of the stack testing required by this plan approval, a test plan shall be submitted to the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations. The Department shall be given at least fifteen (15) days advance notice of the scheduled dates for the performance of the stack testing required by this plan approval. Within sixty (60) days of the completion of the stack tests, two copies of the test report shall be submitted to the Department. The report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis.

**SECTION D. Source Level Plan Approval Requirements****III. MONITORING REQUIREMENTS.****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, ID C301 shall be equipped with instrumentation to continuously and accurately measure the following:

- (a) The differential pressure across ID C001
- (b) The inlet temperature of ID C001.
- (c) The circulation rate of the scrubber media through ID C001.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID 033 shall be equipped with a manometer or similar device to ensure negative pressure is maintained inside the drying unit during operation.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, Control Device C001 shall be equipped with monitoring equipment that will accurately monitor the following:

- (a) the pre-conditioning chamber's inlet temperature and pressure and outlet temperature. These readings shall be used to regulate the flow of recycled water through the chamber.
- (b) Each of the biofilter beds' temperature and pressure. These readings shall be used by the operator to adjust, maintain and repair the biofilter in accordance with the manufacturer's specifications and good operating practices.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Control Device C103 shall be equipped with a flame arrestor and automatic pilot flame ignitor.

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

(a) The permittee shall keep records of the following information for Source ID P103:

- (1) The differential pressure across ID C001 at least once per day.
- (2) The inlet temperature of ID C001 at least once per day.
- (3) The circulation rate of the scrubber media at least once per day.
- (4) The number of hours Source ID P001 is not in operation each month.

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

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

(a) The permittee shall at least daily, record the readings of the Source ID P103 manometers or similar devices to ensure negative pressure is being maintained whenever this system is being used to process sewage sludge.

(b) These records shall be maintained for at least five years and made available to the Department upon request.

**SECTION D. Source Level Plan Approval Requirements****# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The permittee shall maintain records of all maintenance and repairs to Control Devices C001 and C103.
- (b) These records shall be maintained onsite for at least five years and made available to the Department upon request.

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

- (a) The permittee shall maintain records to verify compliance with the operating hours for Control Device C103.
- (b) These records shall be maintained onsite for at least five years and made available to the Department upon request.

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

- (a) The permittee shall record the amount of both natural and biogas combusted in the Control Device C001 on a daily basis.
- (b) All records generated pursuant to this condition shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

Pursuant to the BAT provisions in 25 Pa. Code Sections 127.1 and 127.12, the Dewatering Building and Composting Building, whenever these buildings are being used to process sewage sludge, shall be maintained under negative pressure so as to minimize the fugitive loss of malodorous air contaminant emissions directly to atmosphere.

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

Pursuant to the BAT requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not operate Source ID P103 without the simultaneous operation of either ID C001 or C103.

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

Pursuant to the Best Available Technology requirement of 25 Pa. Code Sections 127.1 and 127.12,

- (a) Source P103 is the Biosolids Treatment Process which includes the following sources:
- (1) Two (2) Anaerobic digesters,
 - (2) Two (2) Food Waste Digesters,
 - (3) Two (2) Biosolids Digesters,
 - (4) One (1) Digestate Feed Tank,
 - (5) One (1) Veolia Bio Con Sludge Dryer,
 - (6) Renewal Natural Gas processing system,
- (b) Control Device C001 is a biofilter,
- (c) Control Device C103 is a 10.75 million Btu per hour, Varec Model 244WS open flame flare,
- (d) The air contaminant emissions from the equipment of (a)(1) through (5) above shall be proceeded through the Renewal

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

Natural Gas processing system and Control Device C001. If the Renewal Gas processing system is not operational, then the air contaminant emissions from the equipment of (a)(1) through (5) above shall be controlled by Control Devices C001 and C103

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the air contaminant emissions from Source ID P103 shall at all times be controlled by Control Device C001 which consists of a biofilter and accompanying pre-conditioning chamber. The pre-conditioning chamber shall be equipped with baffles, a water spray system, air diffuser, mist eliminator and drain system. The biofilter shall consist of three beds filled with inorganic filter media and equipped with a bed irrigation system consisting of a set of water spray bars and drain system.

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

Pursuant to best available technology requirements of Pa. Code Sections 127.1 and 127.12, Control Device C103 shall be equipped with an automatic pilot ignition system that utilizes natural gas as a separate fuel source which ensures complete and immediate combustion of the biogas.



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 *****
