



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

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: May 2, 2024

Effective Date: June 25, 2025

Expiration Date: June 25, 2030

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 48-00112

Natural Minor

Federal Tax Id - Plant Code: 20-1884894-1

Owner Information

Name: FRESHPET INC
Mailing Address: 176 N COMMERCE WAY
BETHLEHEM, PA 18017

Plant Information

Plant: FRESHPET INC/BETHLEHEM
Location: 48 Northampton County 48920 Hanover Township
SIC Code: 2047 Manufacturing - Dog And Cat Food

Responsible Official

Name: DAVID BIGGS
Title: FACILITY MANAGER
Phone: (484) 528 - 7060 Email: dbiggs@freshpet.com

Permit Contact Person

Name: MICHAEL LAPOINTE
Title: ENG CONTROL MANAGER
Phone: (484) 528 - 7048 Email: mlapointe@freshpet.com

[Signature] _____
MARK J. WEJKSZNER, NORTHEAST REGION AIR PROGRAM MANAGER



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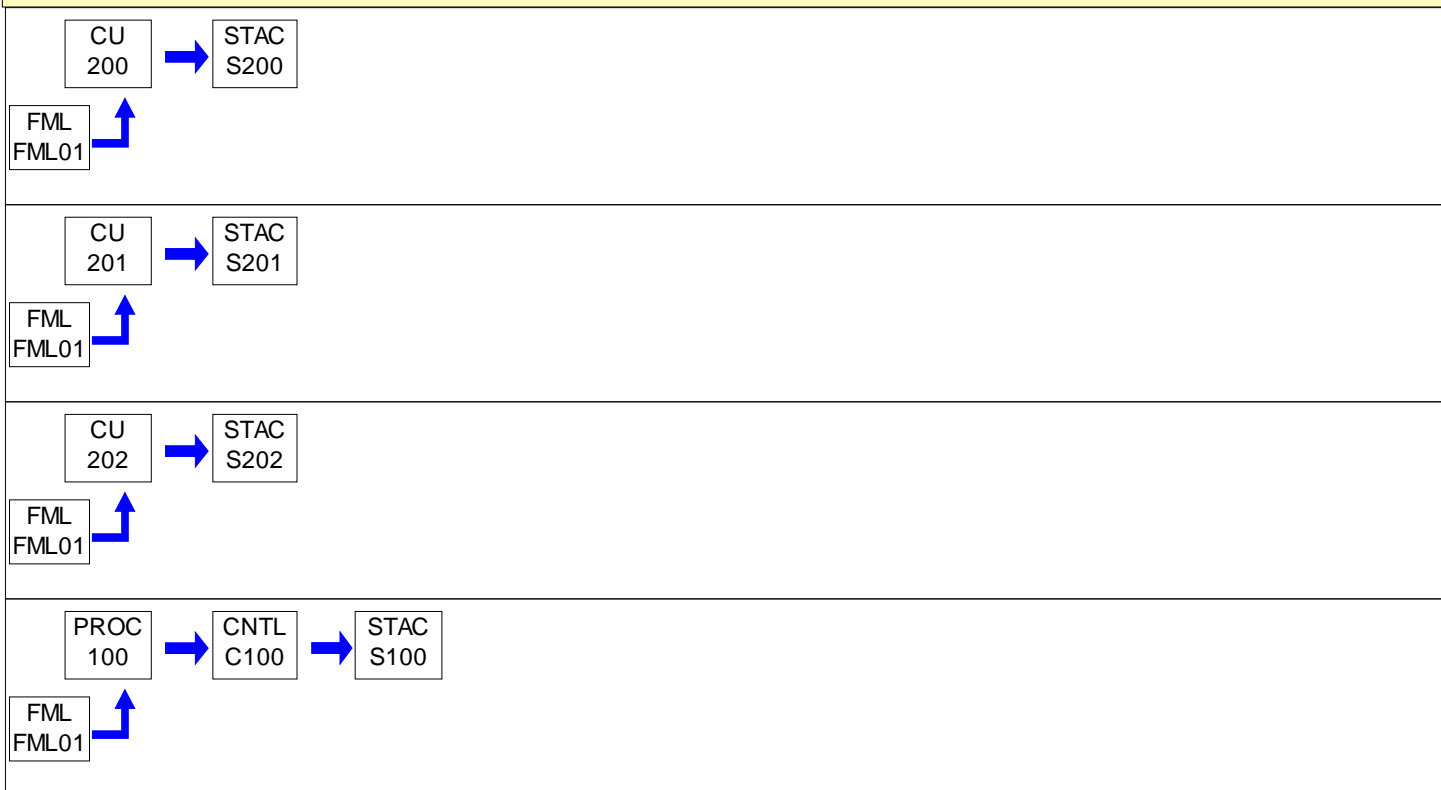
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
200	2011 CB BOILER NO.4 (GP1-48-004/008) - PLANT 1	16.329 MMBTU/HR	
201	2019 CB BOILER NO.5 (GP1-48-009) - PLANT 2		
202	2019 CB BOILER NO.6 (GP1-48-009) - PLANT 2		
100	1.4 MW COGEN SYSTEM, GE/JENBACHER JMS 420, SN 1356419		
C100	CO OXIDATION CATALYST		
FML01	NATURAL GAS		
S100	STACK COGEN SYSTEM		
S200	STACK - BOILER NO.4		
S201	STACK - BOILER NO.5		
S202	STACK - BOILER NO.6		

PERMIT MAPS

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

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

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

(a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

(c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

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

(a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.

(1) For a synthetic minor facility, a fee equal to:

(i) Four thousand dollars (\$4,000) for calendar years 2021—2025.

(ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.

(iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Not Applicable
- (9) Sources and classes of sources other than those identified in paragraphs (1)-(7), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) the emissions are of minor significance with respect to causing air pollution; and
 - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

The permittee may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Section C, Condition #001 (relating to prohibition of certain fugitive emissions) if the emissions are visible at the point the emissions pass outside the person's property.

003 [25 Pa. Code §123.31]**Limitations****MALODOR EMISSIONS**

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

004 [25 Pa. Code §123.41]**Limitations****VISIBLE EMISSIONS**

(a) The permittee 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.

**SECTION C. Site Level Requirements**

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

005 [25 Pa. Code §123.42]**Exceptions**

(a) 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 Section C, Condition #001.

006 [25 Pa. Code §129.14]**Open burning operations**

(a) The permittee may not permit the open burning of material in a manner that:

- (1) The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.
- (2) Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
- (3) The emissions interfere with the reasonable enjoyment of life or property.
- (4) The emissions cause damage to vegetation or property.
- (5) The emissions are or may be deleterious to human or animal health.

(b) Exceptions. The requirements above do not apply where the open burning operations result from a fire set for either of the following reasons:

- (1) To prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (2) To instruct personnel in fire fighting, when approved by the Department.
- (3) For the prevention and control of disease or pests, when approved by the Department.
- (4) In conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.
- (5) For the burning of domestic refuse, when the fire is on the premise of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure.
- (6) For recreational or ceremonial purposes.
- (7) Solely for cooking food.

(c) This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste management Act, 35 P.S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.

**SECTION C. Site Level Requirements****II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

If, at any time, the Department has cause to believe that air contaminant emissions from the sources covered by this operating permit are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the company shall conduct tests deemed necessary by the Department. The company shall perform such testing in accordance with applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department at the time the company is notified, in writing, of the testing requirement.

008 [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 such 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.

009 [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 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 effect 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.**# 010 [25 Pa. Code §123.43]****Measuring techniques**

(a) 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.

**SECTION C. Site Level Requirements****# 011 [25 Pa. Code §127.441]****Operating permit 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.**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall keep records of the emission estimates and supporting calculations on a monthly basis used to verify compliance with the carbon monoxide (CO), nitrogen oxides (NO_x), particulate matter less than 10 microns in size (PM₁₀), sulfur oxides (SO_x), volatile organic compounds (VOCs), individual hazardous air pollutant (HAP), combined hazardous air pollutants (HAPs), and greenhouse gases (GHGs), measured on a CO₂e basis, emissions limitations in any 12 consecutive month period for all sources at the facility.

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

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall keep records of the weekly inspections required pursuant to this operating permit. The records 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 operating 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.**# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee, within one (1) hour of discovery of an occurrence, shall notify the Department, by phone at (570) 826-2511, of any malfunction, record keeping or reporting errors, or other possible non-compliance issues, which reasonably is believed to either result in or possibly result in, or which results in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulations contained in Article III of the Rules and Regulations of the Department of Environmental Protection. A written report shall be submitted to the Department within five working days following the initial notification describing the incident and the corrective actions taken or to be taken. The Department may take enforcement action for any violations of the applicable standards.

VI. WORK PRACTICE REQUIREMENTS.**# 015 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

(a) For any source specified in Section C, Condition #001, the permittee shall take all reasonable actions 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

**SECTION C. Site Level Requirements**

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.

016 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The company shall not impose conditions upon or otherwise restrict the Department's access to the aforementioned source(s) and/or any associated air cleaning device(s) and shall allow the Department to have access at any time to said source(s) and associated air cleaning device(s) 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.

017 [25 Pa. Code §127.441]
Operating permit terms and conditions.

The permittee shall comply with all applicable requirements specified in 40 CFR Part 60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Reciprocating IC Engines. Copies of all requests, reports, applications, submittals, and other communications shall be sent to both EPA and the Department. The EPA copies shall be forwarded to:

US EPA, Region III
 Associate Director, Office of Air Enforcement and Compliance Monitoring
 (3AP20)
 1650 Arch Street
 Philadelphia, PA 19103-2029

and

Mark J Wejkszner
 Air Quality Program Manager
 Department of Environmental Protection
 2 Public Square
 Wilkes-Barre, Pa 18701-1915

018 [25 Pa. Code §127.441]
Operating permit 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.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 200

Source Name: 2011 CB BOILER NO.4 (GP1-48-004/008) - PLANT 1

Source Capacity/Throughput: 16.329 MMBTU/HR

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

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with all applicable requirements stated in GP1-48-004 and GP1-48-008.

**SECTION D. Source Level Requirements**

Source ID: 201

Source Name: 2019 CB BOILER NO.5 (GP1-48-009) - PLANT 2

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with all applicable requirements stated in GP1-48-009.

**SECTION D. Source Level Requirements**

Source ID: 202

Source Name: 2019 CB BOILER NO.6 (GP1-48-009) - PLANT 2

Source Capacity/Throughput:

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

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

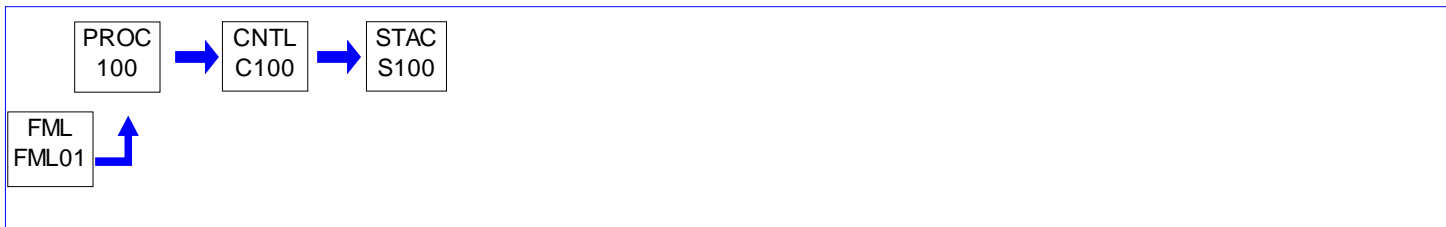
The permittee shall comply with all applicable requirements stated in GP1-48-009.

**SECTION D. Source Level Requirements**

Source ID: 100

Source Name: 1.4 MW COGEN SYSTEM, GE/JENBACHER JMS 420, SN 1356419

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12. Compliance with this streamlined operating permit condition assures compliance with the requirements of 25 Pa. Code Sections 123.21 and 123.13, and 40 CFR Part 60 Subpart JJJJ.]

- a. Particulate - 0.0017 lbs/hr
- b. Nitrogen Oxides (NO_x) - 2.17 lbs/hr
- c. Sulfur Dioxide (SO₂) - 0.007 lbs/hr
- d. Carbon Monoxide (CO) - 0.69 lbs/hr
- e. Volatile Organic Compounds (VOC) - 1.08 lbs/hr
- f. Total HAPs - 0.217 lbs/hr
- g. Green House Gases (CO₂e) - 1,327 lbs/hr

These emission limits do not apply during the startup and shutdown of the internal combustion engines. Each startup and shutdown period is limited to a maximum of 30 minutes each.

002 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall not permit the emission into outdoor atmosphere of particulate matter in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12. Compliance with this streamlined operating permit condition assures compliance with the requirements of 25 Pa. Code Section 123.41]

The emission of visible air contaminants into the outdoor atmosphere shall not occur in such a manner that the opacity of the emission is either of the following:

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

004 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

005 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall comply with all applicable Emission Standards requirements specified in 40 CFR Part 60 Subpart JJJJ 60.4233 through 60.4234.

**SECTION D. Source Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12. Compliance with this streamlined operating permit condition assures compliance with the requirements of 25 Pa. Code Sections 123.21 and 123.13, and 40 CFR Part 60 Subpart JJJJ.]

- a. Nitrogen Oxides (NO_x) - 0.50 g/bhp-hr
- b. Formaldehyde (HCHO) - 0.05 g/bhp-hr
- c. Carbon Monoxide (CO) - 47 ppm @15%O₂
- d. Volatile Organic Compounds (VOC) - 0.25 g/bhp-hr

These emission limits do not apply during the startup and shutdown of the internal combustion engines. Each startup and shutdown period is limited to a maximum of 30 minutes each.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall limit the emissions from the 2MW CoGen system during any consecutive 12-month period to the following:

- a. Particulate - 0.007 tons/year.
- b. Nitrogen Oxides (NO_x) as NO₂ - 9.49 tons/year.
- c. Sulfur Dioxide (SO_x) - 0.031 tons/year.
- d. Carbon Monoxide (CO) - 3.02 tons/year.
- e. Volatile Organic Compounds (VOC) - 4.75 tons/year.
- f. Hazardous Air Pollutants (Combined HAPS) - 0.95 tons/year.
- g. Green House Gases (CO_{2e}) - 5,816 tons/year

Fuel Restriction(s).**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall only use pipeline quality natural gas as fuel in the engine.

II. TESTING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall conduct a stack test for emissions utilizing methodology outlined in 25 Pa. Code Section 139 and the Department's Source Testing Manual or by other means approved by the Department. The source testing shall be performed while the source is operating at maximum capacity on the maximum substitution rate of natural gas, or as close to maximum as the engines will operate. At a minimum, the sources shall be tested for:

- a. Nitrogen Oxides (NO_x) as NO₂.
- b. Volatile Organic Compounds (VOC).
- c. Carbon Monoxide (CO).
- d. formaldehyde (HCHO)

010 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Compliance with this streamlined operating permit condition assures compliance with the initial performance test requirements of 40 CFR Part 60 Subpart JJJJ].

The permittee shall perform nitrogen oxide (NO_x, expressed as NO₂), carbon monoxide, volatile organic compound and formaldehyde source tests within 180 days from the commencement of operation of the source to verify compliance with the emission limitations specified in this operating permit. In addition to the site level testing requirements specified in Section C of this operating permit, the permittee shall also comply with the following:

**SECTION D. Source Level Requirements**

- (a) The performance test shall consist of three (3) separate test runs and each run shall last at least in one (1) hour in duration.
- (b) The inlet gas temperature and pressure drop of the OxCat System shall be recorded on a continuous basis during the test. A requirement for the temperature range and pressure drop may be established based upon the recorded data and stack test report.
- (c) All testing is to be done using EPA reference test methods acceptable to the Department and all testing is to be performed while the source is operating at least 90% of maximum capacity.

011 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

1. Within 180 days of initial start-up, a stack test shall be performed in accordance with the provision of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection to demonstrate the compliance with the emission limitations in this section for the engines. The stack tests shall be performed while the aforementioned sources are operating at the maximum rated capacity on each fuel as stated on the application. If testing is performed at a rate of less than full production, operation is restricted to the process-input rate of testing at such level until a subsequent compliance test is performed at a full production.
2. At least two-weeks prior to the test, the Regional Air Quality Program Manager shall be informed of the date and time of the test.
3. At least sixty (60) days prior to the test, a pre-test protocol shall be submitted to the Department for review.
4. Within sixty (60) days of the completion of the test, two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Program Manager.
5. If at any time the Department has cause to believe that air contaminant emissions from the aforementioned source(s) may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the revisions of Chapter 139 of the Rules and Regulations Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

012 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

In addition to the initial source testing requirement, every 2,500 hours of operation and no sooner than forty-five (45) days from the previous test, the owner or operator shall perform periodic monitoring for NO_x and CO emissions to verify continued compliance of the engine which has a rated capacity greater than 500 brake horsepower and subject to the BAT. A Department-approved test that has been performed within 45 days prior to the scheduled periodic monitoring may be used in lieu of the periodic monitoring for that time period. A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three test runs of twenty (20) minutes for each test run. The Department may alter the frequency of portable analyzer tests based on the test results. The frequency of portable gas analyzer tests may be altered with written Departmental approval. The portable gas analyzer shall be used and maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent as approved by the Department.

Within thirty (30) calendar days after the completion of periodic monitoring, the owner or operator shall submit the results to the appropriate DEP Regional Office. The Department reserves the right to require source tests in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall comply with all applicable Testing requirements specified in 40 CFR Part 60 Subpart JJJJ 60.4243.

In accordance with 40 CFR 60.4243(b)(2)(ii), the permittee shall conduct subsequent performance tests every 8,760 hours of operation or 3 years, whichever comes first.

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall continuously monitor the following parameters whenever the engine is in operation:

- (a) natural gas flow rate,
- (b) air/fuel ratio,
- (c) hours of operation

IV. RECORDKEEPING REQUIREMENTS.**# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall record the following:

- a. Monthly amount of fuel fired in the engine.
- b. 12-month rolling total amount of fuel fired in the engine.
- c. Monthly hours of operation.
- d. Monthly emissions of particulate, NO_x, SO_x, CO, VOC and HAPs.
- e. 12-month rolling total emissions of particulate, NO_x, SO_x, CO, VOC and HAPs.
- f. The pressure drop and the inlet gas temperature of the OxCat system on a continuous basis via a data acquisition system.
- g. The permittee shall maintain records of the maintenance conducted for the engine.
- h. All records generated pursuant to this operating permit condition shall be kept for a minimum of five (5) years and made available to the Department upon request.

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall calculate the emissions from the engine using the rates found in the application, or as approved by the Department. The emission rates may be reviewed after results of testing are approved by the Department. Emission rates from approved test results shall be used to calculate emissions once approved.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall record each start-up, shutdown and malfunction of the engines. The records shall include the date, time, duration and type of event.

Note: "Malfunction" means 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 which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

V. REPORTING REQUIREMENTS.**# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with all applicable Notification, Reporting and Records requirements specified in 40 CFR Part 60 Subpart JJJJ 60.4245.

VI. WORK PRACTICE REQUIREMENTS.**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall not, at any time, operate the engine without the simultaneous operation of the engines oxidation catalyst.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The engine shall be designed to comply with the Compliance Requirements for Manufacturers specified in 40 CFR Part 60 Subpart JJJJ 60.4238 through 60.4242.

021 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The engine to be installed shall be Lean Burn with OxCat.

022 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The natural gas fueled engine is subject to 40 CFR, Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignited Internal Combustion Engines and the permittee shall comply with all applicable requirements of the subpart.

023 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The facility shall be:

- a. operated in such a manner as not to cause air pollution, as defined in 25 Pa. Code § 121.1.
- b. operated and maintained in a manner consistent with good operating and maintenance practices; and
- c. operated and maintained in accordance with the manufacturer's specifications and the applicable terms and conditions of this Permit.

024 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The engine shall be equipped with a non-resettable hour meter.

025 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall comply with all applicable Compliance requirements specified in 40 CFR Part 60 Subpart JJJJ 60.4243.

026 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall comply with all applicable Other requirements specified in 40 CFR Part 60 Subpart JJJJ 60.4235 through 60.4237.

027 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The CO-GEN System will consist of the following equipment;

- (1) 1,966 HP GE-(RICE) Engine
- (1) 1.4 MW Electrical Generator
- (1) Oxidation Catalyst
- (1) Waste Heat Recovery System
- (1) Engine Exhaust Stack
- (2) Dampers - Used to bypass Waste Heat Recovery System if needed - (System Cannot bypass Oxidation Catalyst)

028 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in 40 CFR 63.6590 (C)(1)-(7) must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

- (1) A new or reconstructed stationary RICE located at an area source

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 1

Group Description: BOILERS

Sources included in this group

ID	Name
200	2011 CB BOILER NO.4 (GP1-48-004/008) - PLANT 1
201	2019 CB BOILER NO.5 (GP1-48-009) - PLANT 2
202	2019 CB BOILER NO.6 (GP1-48-009) - PLANT 2

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of the following:

The rate of 0.4 pound per million Btu of heat input, when the heat input to the combustion unit in millions of Btus per hour is greater than 2.5 but less than 50.

002 [25 Pa. Code §123.22]**Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from a combustion unit in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(i) Construct and operate the small combustion unit such that it does not exceed the following emission standards:

- (a) 30 ppm_{dv} NO_x at 3% O₂ when firing gaseous fuel; and
- (b) 300 ppm_{dv} CO at 3% O₂

(ii) Ensure that the combustion unit meets the visible emissions standards, as determined by the methods described in 25 Pa. Code § 123.43, by not exceeding the following limitations:

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

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

The boiler(s) shall only be fired on natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with applicable monitoring, recordkeeping and reporting requirements set forth in 25 Pa. Code Chapter 139 (relating to sampling and testing), the Air Pollution Control Act, the Clean Air Act, and the applicable regulations under the acts.

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) All required records must be maintained on-site for a minimum of five years and made available to DEP upon request. These records may be maintained in electronic format.

(b) At a minimum, all records shall be maintained on a monthly basis, and the actual emissions shall be calculated on a 12-month rolling sum. The Department reserves the right to request additional information necessary to determine compliance with the Operating Permit.

(c) The owner or operator of the facility shall keep records of all written notifications required under permit conditions.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The source shall maintain the following records in accordance with condition #006, including information on:

(a) Fuel consumption records for each small combustion unit on a monthly basis.

(b) Records of annual tune-ups/inspections.

V. REPORTING REQUIREMENTS.

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

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

The source shall comply with the terms and conditions of the operating permit. The combustion unit and any associated air cleaning devices shall be:

(a) Operated in such a manner as not to cause air pollution.

(b) Operated and maintained in a manner consistent with good operating and maintenance practices.

(c) Operated and maintained in accordance with the manufacturer's specifications and the applicable terms and conditions of this operating permit.

009 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) For each small combustion unit constructed under and authorized to operate under this operating permit, the owner or operator shall conduct an annual tune-up/inspection on the small combustion unit. At a minimum the tune-up/inspection shall consist of the following:

(i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary;

(ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern.

The adjustment should be consistent with the manufacturer's specifications, if available;

(iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly;

(iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with the NOX requirement to which the small combustion unit is subject;

(b) For each small combustion unit constructed under and authorized to operate under this operating permit, the owner or operator shall, every three years, measure the concentrations in the effluent stream of NOX and CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable analyzer as long as it is calibrated and operated according to the manufacturer's recommendations, the procedures specified in ASTM D-6522, and the following requirements:

(i) The portable analyzer shall undergo factory laboratory calibration and cleaning every three years.

**SECTION E. Source Group Restrictions.**

- (ii) The portable analyzer shall have on-site calibration checks using certified calibration gases demonstrating the analyzer accuracy requirements specified in ASTM D-6522.
 - (iii) In order to verify emissions, the owner or operator shall conduct three, 20-minute test runs recording emissions data at least once each minute.
 - (iv) Depending on concentrations observed, fresh air purges should be performed according to manufacturer's recommendations.
 - (v) Re-zeroing of the portable analyzer should be performed according to manufacturer's recommendations or at least before every test run.
- (c) Maintain records of the work practice standards which shall, at a minimum, include the following:
- (i) The concentrations of NOX and CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the small combustion unit;
 - (ii) A description of any corrective actions taken as part of the tune-up;
 - (iii) The date(s) the annual tune-up/inspection was conducted;
 - (iv) The factory calibration certification sheets for the portable analyzer; and
 - (v) The type and amount of fuel used over the 12 months prior to the tune-up.

VII. ADDITIONAL REQUIREMENTS.**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) It is the duty of the Responsible Official, as defined in 25 Pa. Code § 121.1, to ensure that the facility is in compliance with all applicable Federal, State, and local laws and regulations, including 25 Pa. Code, Subpart C, Article III. Nothing in this operating permit relieves the Responsible Official from this obligation to comply.
- (b) Applicable Federal regulations may include, but are not limited to, the following New Source Performance Standards (NSPS), codified at 40 CFR Part 60 and incorporated by reference in 25 Pa. Code § 122.3, and National Emission Standards for Hazardous Air Pollutants (NESHAP), codified at 40 CFR Part 63 and incorporated by reference in 25 Pa. Code § 127.35:
 - (i) 40 CFR Part 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

(a) The Natural Minor Operating Permit application was received on February 8, 2024. The annual operating permit maintenance fee shall be submitted to the Department in accordance with 25 Pa. Code, Chapter 127, Section 127.703. The annual maintenance fees are due no later than December 31, annually.

(b) General Permits include:

GP1-48-004 issued 09/15/2015

GP1-48-008 issued 03/13/2019

GP1-48-009 issued 12/13/2019

(c) This Natural Minor Operating permit incorporates the requirements from Plan Approval 48-00112A.

(d) Requests for Determination (RFD) include:

1. 48-0668 - approved on December 10, 2012 for the installation of two natural gas-fired boilers (7.0 and 9.9 MMBtu/hr rated heat inputs) and a natural gas-fired hot water heater (6.3 MMBtu/hr heat input).

2. 48-0960 - issued on 01/27/2020 for new heaters, ovens, emergency engines, and dust collectors.

3. e8429 - issued on 04/13/2020 for revision to exhaust dust collector inside.

(e) The following air contaminant sources are considered to be of minor significance to the Department and have been determined to be exempt from permit requirements. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-143:

Cooking Line No.1 (Stein)

Cooking Line No.2 (Progrill)

CB Boiler No.2 (7.0 MMBtu/hr) - Plant 1

CB Boiler No.3 (9.9 MMBtu/hr) - Plant 1

HW Heater No.1 (6.3 MMBtu/hr) - Plant 1



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