



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: March 8, 2023

Effective Date: March 8, 2023

Expiration Date: March 7, 2028

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to 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: 15-00142

Natural Minor

Federal Tax Id - Plant Code: 38-4099125-1

Owner Information

Name: LAVAZZA NORTH AMERICA - WEST CHESTER FACILITY
Mailing Address: 1301 WILSON DR
WEST CHESTER, PA 19380-5954

Plant Information

Plant: LAVAZZA NORTH AMER/EAST GOSHEN TWP
Location: 15 Chester County 15919 East Goshen Township
SIC Code: 2095 Manufacturing - Roasted Coffee

Responsible Official

Name: JOE MACRONE
Title: MANUFACTURING DIRECTOR
Phone: (610) 430 - 2500 Email: joe.macrone@lavazzapro.com

Permit Contact Person

Name: WALT KOZLOWSKI
Title: HSES MANAGER
Phone: (610) 787 - 5694 Email: Walt.Kozlowski@lavazzapro.com

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General State Only Requirements

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #015 Reactivation
- #016 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.
- #023 Reporting
- #024 Report Format

Section C. Site Level State Only 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 State Only 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



SECTION A. Table of Contents

- 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)

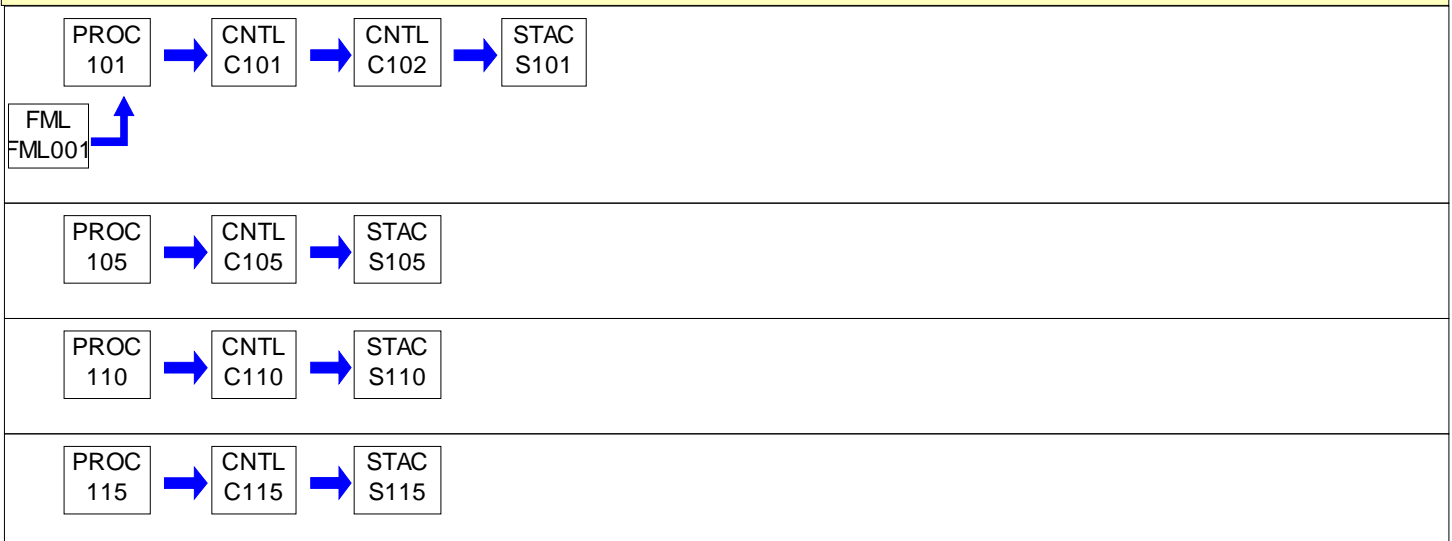
- F-I: Restrictions
- F-II: Testing Requirements
- F-III: Monitoring Requirements
- F-IV: Recordkeeping Requirements
- F-V: Reporting Requirements
- F-VI: Work Practice Standards
- F-VII: Additional Requirements

Section G. Emission Restriction Summary

Section H. Miscellaneous

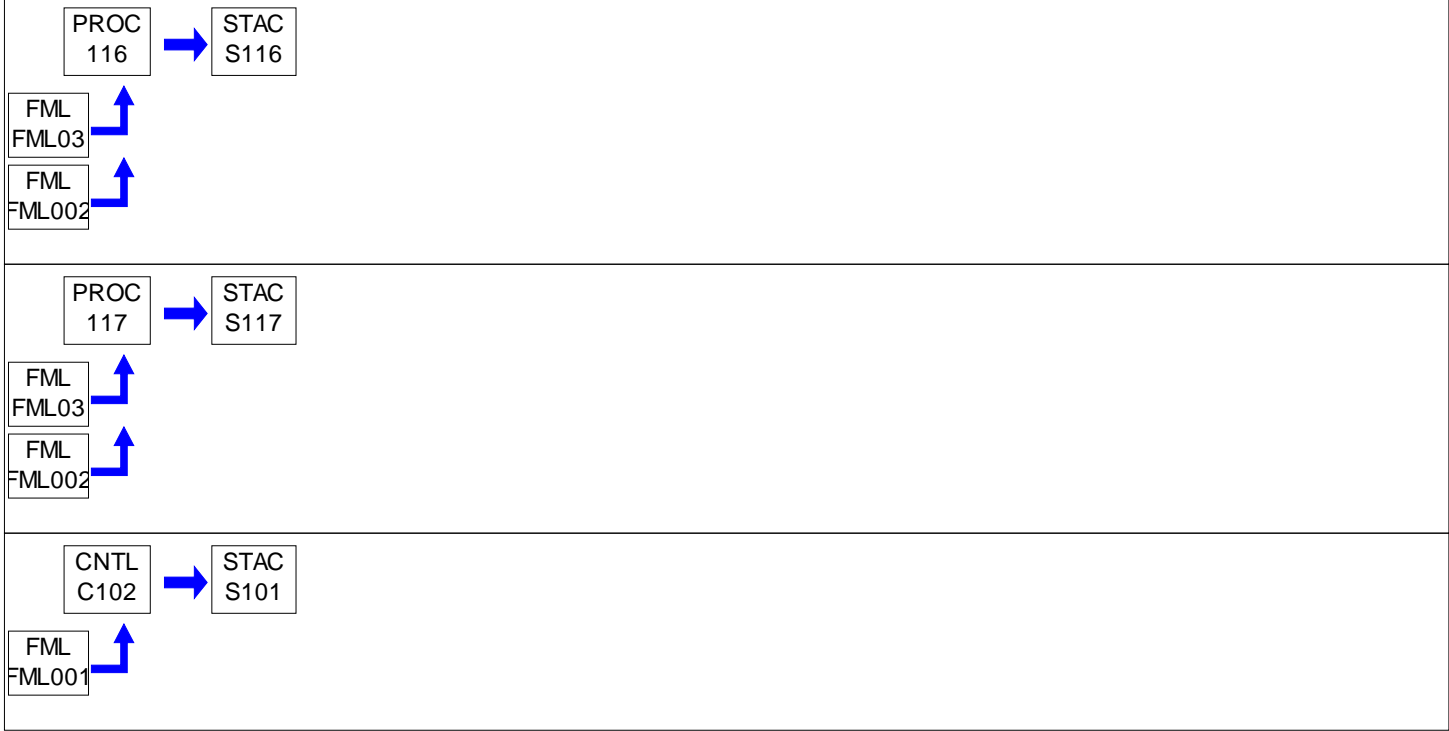
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	COFFEE ROASTER	7.000 MMBTU/HR	
		4,400.000 Lbs/HR	GREEN COFFEE BEANS
		6,800.000 CF/HR	Natural Gas
105	COFFEE ROASTER COOLER		
110	DESTONER		
115	BRIQUETTING PRESS		
116	DIESEL FIRE PUMP (170 HP)		
117	EMERGENCY GENERATOR (350 KW)		
C101	COFFEE ROASTER CYCLONE		
C102	AFTERBURNER/CATALYTIC OXIDIZER	2,910.000 CF/HR	NATURAL GAS 3 MME
C105	COFFEE ROASTER COOLER CYCLONE		
C110	DESTONER BAGHOUSE		
C115	BRIQUETTING PRESS BAGHOUSE		
FML001	NATURAL GAS		
FML002	DIESEL FUEL		
FML03	NO 2 FUEL OIL		
S101	AFTERBURNER/CAT OX STACK		
S105	COFFEE ROASTER COOLER CYCLONE STACK		
S110	DESTONER BAGHOUSE STACK		
S115	BRIQUETTING PRESS BAGHOUSE STACK		
S116	DIESEL FIRE PUMP STACK		
S117	EMERGENCY GENERATOR STACK		

PERMIT MAPS



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:

**SECTION B. General State Only Requirements**

- (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:

**SECTION B. General State Only Requirements**

(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)

**SECTION B. General State Only Requirements**

(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 §121.7]****Prohibition of air pollution.**

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

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

(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, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8) of this condition, for which the permittee 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.

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

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

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

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

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

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

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

006 [25 Pa. Code §123.42]**Exceptions**

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

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

**SECTION C. Site Level Requirements**

(c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a) (1) – (8) (relating to prohibition of certain fugitive emissions).

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

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

- (a) a fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer;
- (b) any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department;
- (c) a fire set for the prevention and control of disease or pests, when approved by the Department;
- (d) a fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation;
- (e) a fire set for the purpose of burning domestic refuse, when the fire is on the premises 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;
- (f) a fire set solely for recreational or ceremonial purposes; or
- (g) a fire set solely for cooking food.

II. TESTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139 and the most current version of the DEP Source Testing Manual, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.**# 009 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements.
- (b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.
- (c) As an alternative, plant personnel who observe visible emissions may report the incidence of visible emissions to the Department within two hours of each incident and make arrangements for a certified observer to verify the visible emissions.

**SECTION C. Site Level Requirements****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall monitor the facility, once per operating day, for the following:

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

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

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

(c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.

(d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or Department findings.

IV. RECORDKEEPING REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

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

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

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

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

V. REPORTING REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR Part 68.]

(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)

**SECTION C. Site Level Requirements**

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 threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 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 EPA 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 permit 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.

(d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

(e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.

(f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

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

**SECTION C. Site Level Requirements**

(c) The report shall describe the following:

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

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

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

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

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

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

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

- (a) Use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

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

The permittee shall ensure that the source(s) and air pollution control device(s), listed in this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

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

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



SECTION C. Site Level Requirements

VII. ADDITIONAL REQUIREMENTS.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #013(g) of Section B, of this permit.

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: 101

Source Name: COFFEE ROASTER

Source Capacity/Throughput: 7.000 MMBTU/HR

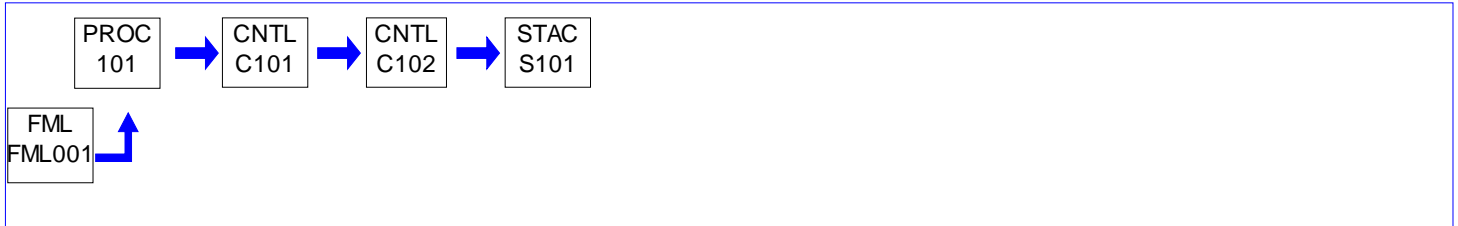
4,400.000 Lbs/HR

GREEN COFFEE BEANS

6,800.000 CF/HR

Natural Gas

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

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Emissions of the following pollutants from the Coffee Roaster are limited to:

Volatile organic compounds (VOC): 0.19 lb/hr and 0.83 tons per 12-month rolling basis

Carbon monoxide (CO): 1.21 lb/hr and 5.30 tons per 12-month rolling basis

Nitrogen oxide (NOx): 0.97 lb/hr and 4.25 tons per 12-month rolling basis

Sulfur dioxide (SO₂): 0.006 lb/hr and 0.026 tons per 12-month rolling basis**Fuel Restriction(s).**

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the Coffee Roaster and associated Afterburner/Catalytic Oxidizer using natural gas fuel only.

[Compliance with the requirement in this streamlined permit condition assures compliance with the requirement found in 25 Pa. Code § 123.21.]

II. TESTING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a stack test using the Department-approved procedures once within the lifetime of the permit, then once every five (5) calendar years, where five (5) calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five (5) years later. 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. Refer to PADEP Source Testing Program website online for further information related to source testing including Source Testing FAQ and the PADEP Source Testing Manual.

(b) The stack test shall, at a minimum, test for

1. NO_x using EPA Test Method 7 or 7A.

2. THC, as a surrogate, for VOC emissions using EPA Test Method 25A

The emissions shall be measured in pounds per hour

Tests shall be conducted in accordance with the provisions of EPA Test Methods or other Department approved methodology and 25 Pa. Code Chapter 139.

**SECTION D. Source Level Requirements**

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

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

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), an electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

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

(a) The permittee shall email all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Southeast Region
RA-EPSEstacktesting@pa.gov

Central Office
RA-EPstacktesting@pa.gov

(b) The following pertinent information shall be listed on the title page.

1. Test Date(s)

- a. For protocols, provide the proposed date on which testing will commence or "TBD"
- b. For reports, provide the first and last day of testing

2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF ID under which the protocol was stored in PSIMS, as indicated in the protocol response letter.

3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment

4. Testing Requirements

- a. Operating permit number

(c) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

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

The permittee shall monitor the following:

**SECTION D. Source Level Requirements**

- (a) the hours of operation of this source on a monthly basis
- (b) the weight of green beans charged to the coffee roaster on a monthly and 12-month rolling basis.
- (c) the fuel consumed by this source on a monthly basis

IV. RECORDKEEPING REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall calculate and record the following:

- (a) the emissions of the following pollutants from this source on a monthly and on a 12-month rolling basis: VOC, CO, NO_x, SO₂.
- (b) Emission factors from the AP-42 or other sources presented in the application and approved by the Department shall be used in the calculation. Alternate emission factors may be used if approved by the Department. The permittee shall record the emission factors and other data used in the calculations.

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

The permittee shall maintain records of a maintenance performed on the Coffee Roaster and associated Coffee Roaster Cyclone and Afterburner/Catalytic Oxidizer to include the date and the maintenance performed.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall record the following:

- (a) the hours of operation of this source on a monthly basis
- (b) the weight of green beans charged to the coffee roaster on a monthly and 12-month rolling basis.
- (c) the fuel consumed by this source on a monthly basis

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

The permittee shall install, operate and maintain the Coffee Roaster and associated Coffee Roaster Cyclone and Afterburner/Catalytic Oxidizer in accordance with the manufacturer's specifications and good air pollution control practices.

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

The permittee shall operate the associated Coffee Roaster Cyclone and Afterburner/Catalytic oxidizer at all times that the Coffee Roaster is roasting green coffee beans.

VII. ADDITIONAL REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The Coffee Roaster shall be a Probat Jupiter 2000 Type SY-LT employing a MAXON EB6 burner.

**SECTION D. Source Level Requirements**

(b) The Coffee Roaster Cyclone shall be a Probat HF185.

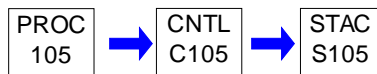
**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: COFFEE ROASTER COOLER

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

The permittee shall monitor the hours of operation of this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of maintenance performed on the Coffee Roaster Cooler and associated Coffee Roaster Cooler Cyclone to include the date and the maintenance performed.

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

The permittee shall record the hours of operation of this source on a monthly basis.

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

The permittee shall install, operate and maintain the Coffee Roaster Cooler and associated Coffee Roaster Cooler Cyclone in accordance with the manufacturer's specifications and good air pollution control practices.

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

The permittee shall operate the associated Coffee Roaster Cooler Cyclone at all times that the Coffee Roaster Cooler is operating.

VII. ADDITIONAL REQUIREMENTS.**# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Coffee Cooler Cyclone shall be a Probat HF160.

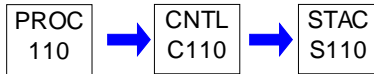
**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: DESTONER

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

The permittee shall monitor the following:

- (a) the hours of operation of this source on a monthly basis;
- (b) the pressure drop across the Destoner Baghouse at least once per operating day.

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

The permittee shall install and maintain a pressure gauge for measuring the drop across the Destoner Baghouse.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of maintenance performed on the Destoner and the associated Destoner Baghouse to include the date and the maintenance performed.

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

The permittee shall record the following:

- (a) the hours of operation of this source on a monthly basis;
- (b) the pressure drop across the Destoner Baghouse at least once per operating day.

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

The permittee shall install, operate and maintain the Destoner and associated Destoner Baghouse in accordance with the

**SECTION D. Source Level Requirements**

manufacturer's specifications and good air pollution control practices.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the associated Destoner Baghouse at all times that the Destoner is operating.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a)The permittee shall assure that the pressure drop across the Destoner Baghouse remains in the range of 0.1 - 5.0 in.wc.

(b)The permittee shall replace the bags of the Destoner Baghouse in response to pressure drop readings or manufacturer's directives.

(c) The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the Destoner Baghouse in order to immediately replace any bags requiring replacement due to deterioration.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The bags of the Destoner Baghouse shall be cleaned by an air pulse system, activated by a timer, with a frequency set for optimum operation in accordance with manufacturer's directives and in the range of 1 to 30 seconds.

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

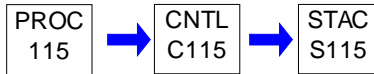
The Destoner Baghouse shall be a Simatek Model JM21/20-04.

**SECTION D. Source Level Requirements**

Source ID: 115 Source Name: BRIQUETTING PRESS

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

The permittee shall install and maintain a pressure gauge for measuring the drop across the Briquetting Press Baghouse.

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

The permittee shall monitor the following:

- (a) the hours of operation of this source on a monthly basis; and
- (b) the pressure drop across the Briquetting Press Baghouse at least once per operating day.

IV. RECORDKEEPING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall record the following:

- (a) the hours of operation of this source on a monthly basis; and
- (b) the pressure drop across the Briquetting Press Baghouse at least once per operating day.

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

The permittee shall maintain records of maintenance performed on the Briquetting Press and the associated Briquetting Press Baghouse to include the date and the maintenance performed.

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).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall assure that the pressure drop across the Briquetting Press Baghouse remains in the range of 0.1 - 8.0 in.wc.

(b) The permittee shall replace the bags of the Briquetting Press Baghouse in response to pressure drop readings or manufacturer's directives.

(c) The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the Briquetting Press Baghouse in order to immediately replace any bags requiring replacement due to deterioration.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The bags of the Briquetting Press Baghouse shall be cleaned by an air pulse system, activated by a timer, with a frequency set for optimum operation in accordance with manufacturer's directives and in the range of 1 to 75 seconds.

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

The permittee shall install, operate and maintain the Briquetting Press and associated Briquetting Press Baghouse in accordance with the manufacturer's specifications and good air pollution control practices.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall operate the associated Briquetting Press Baghouse at all times that the Briquetting Press is operating.

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

The Briquetting Press Baghouse shall be a Simatek Model SimPact 4T-R.

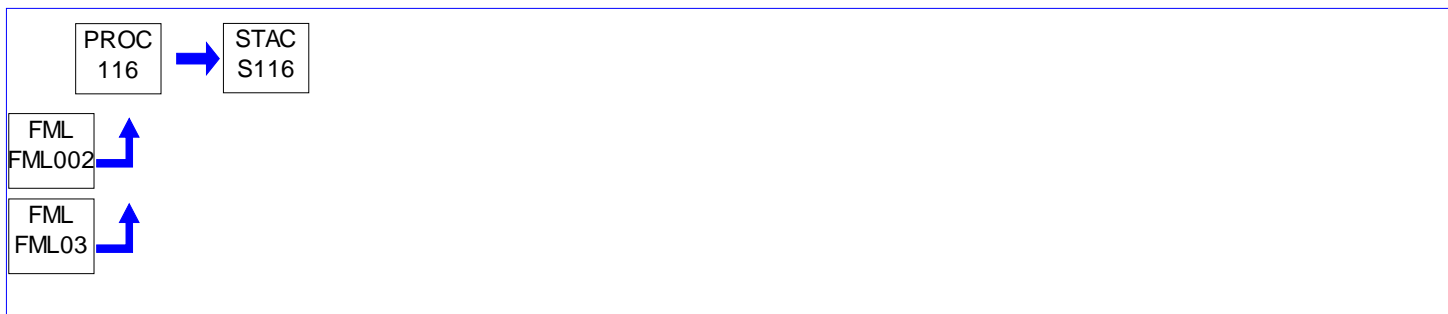
**SECTION D. Source Level Requirements**

Source ID: 116

Source Name: DIESEL FIRE PUMP (170 HP)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP - ZZZZ

**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.

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).

**SECTION D. Source Level Requirements**

Source ID: 117

Source Name: EMERGENCY GENERATOR (350 KW)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: GROUP - ZZZZ

**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.

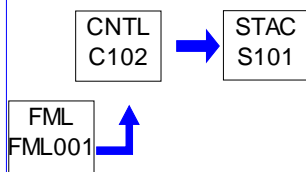
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements**

Source ID: C102

Source Name: AFTERBURNER/CATALYTIC OXIDIZER

Source Capacity/Throughput: 2,910.000 CF/HR NATURAL GAS 3 MMBTU/HR

**I. RESTRICTIONS.**

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

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

The permittee shall test the activity of the catalyst used in the catalytic oxidizer
The permittee shall conduct a performance test of the activity of the catalyst. The sample of the catalyst shall be obtained within a two week period, before or after, the VOC emission test for the coffee roaster/catalytic oxidizer.

III. MONITORING REQUIREMENTS.**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the fuel consumed by the Afterburner/Catalytic Oxidizer on a monthly basis.

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

The permittee shall install and maintain instrumentation to measure and display the temperature at the inlet and at the outlet of the catalytic oxidizer's catalyst bed continuously.

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

The permittee shall monitor the maximum temperature differential (including inlet and outlet temperatures) of the catalytic oxidizer's catalyst bed during a batch cycle.

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

(a) The permittee shall record the fuel consumed by the Afterburner/Catalytic Oxidizer on a monthly basis.

(b) The permittee shall record the results of the monthly differential pressure switch testing.

006 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall record the maximum temperature differential (including inlet and outlet temperatures) of the catalytic oxidizer's catalyst bed during a batch cycle, a minimum of once per operating day.

Records shall be maintained for a period of five years, pursuant to Section C, Condition #015.

**SECTION D. Source Level Requirements****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the activity test performed on catalyst.

V. REPORTING REQUIREMENTS.**# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall submit to the Department the results of any owner/operator initiated emissions testing on the Afterburner/Catalytic Oxidizer, to include destruction efficiency testing for VOCs or organic carbon during the startup period.

The submission to the Department shall include the operating conditions of the Coffee Roaster and the Afterburner/Catalytic Oxidizer and be submitted to the Department within 30 days of receipt of the final results by the permittee.

VI. WORK PRACTICE REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The pressure drop across the catalytic oxidizer's catalyst bed shall be limited to 5 mbar, as monitored by a differential pressure sensor. The differential pressure sensor shall turn the burner off after completion of the current batch when the sensor is triggered. The catalyst bed shall be cleaned prior to operating the Coffee Roaster (Source ID 101) again.

(b) The differential pressure sensor shall be tested on a monthly basis with a Pressure Switch Tester.

(c) The differential pressure sensor shall be replaced or serviced if the tester shows a reading in excess of 5 mbar.

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

(a) Exhaust gases entering the catalytic oxidizer shall be a minimum temperature of 830 F (443 C) during the roasting of green coffee beans.

(b) The maximum temperature of the exhaust gases exiting the catalytic oxidizer shall be 1166 F (630 C) for a 30 second period or 1256 F (680 C) at any time. If these temperatures are exceeded, the Coffee Roaster shall be shut down.

VII. ADDITIONAL REQUIREMENTS.**# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Afterburner/Catalytic Oxidizer shall be a Probat Type TVR/NVK 2000 8-4/2 RT employing a MAXON EB4 burner.

**SECTION E. Source Group Restrictions.**

Group Name: GROUP - ZZZZ

Group Description: engines 116 and 117

Sources included in this group

ID	Name
116	DIESEL FIRE PUMP (170 HP)
117	EMERGENCY GENERATOR (350 KW)

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

(1) Only commercial diesel or No. 2 fuel oil shall be used in this engine.

(2) The permittee shall not use commercial diesel or No. 2 fuel oil which contains sulfur in excess of 15 ppm (0.0015% by weight).

[Compliance with the fuel sulfur limit of this condition assures compliance with 25 Pa. Code § 123.21.]

Operation Hours Restriction(s).**# 002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.441.]

In accordance with 40 C.F.R. § 63.6675 and §§ 63.6640(f)(1) and (2)(i), and subject to the conditions included for this source in this permit, the permittee shall operate this engine as an emergency engine, as defined by 40 C.F.R. Part 63 Subpart ZZZZ. If the engine is not operated as described herein, it will be considered a non-emergency engine and must comply with all conditions for a non-emergency engine as described in 40 C.F.R. Part 63 Subpart ZZZZ.

(a) Restrictions for operation as an emergency engine under Subpart ZZZZ are as follows.

(1) The permittee may operate each engine for a maximum of 100 hours per calendar year for the following purposes:

(a) Maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine.

The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.

(b) Each engine shall be operated for no more than a total of 500 hours per year to include maintenance and readiness testing and emergency use.

[Compliance with this condition assures compliance with 40 C.F.R. § 63.6640(f)(1).]

II. TESTING REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall monitor the fuel usage on a monthly basis. Fuel usage may be determined from manufacturer's specifications and hours of operation.

(b) The permittee shall calculate the NOx emissions on a monthly and 12-month rolling basis.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

Pursuant to 40 C.F.R. § 63.6625(f),

The permittee shall install a non-resettable hour meter on this engine, if one is not already installed.

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

(a) The permittee shall record the fuel usage on a monthly basis.

(b) The permittee shall record the NOx emissions on a monthly and 12-month rolling basis.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

Pursuant to 40 C.F.R. §§ 63.6655(a)(1), (2) and (5), the permittee shall keep the following records:

(a) a copy of each notification and report submitted to comply with 40 CFR Part 63 Subpart ZZZZ, with relevant documentation;

(b) records of the occurrence and duration of each malfunction of operation;

(c) records of actions taken during periods of malfunction to minimize emissions in accordance with 40 C.F.R. § 63.6605(b) including corrective actions to restore the malfunctioning process to its normal method of operation.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

Pursuant to 40 C.F.R. §§ 63.6655 (d), (e) and (e)(1), the permittee shall keep the following maintenance records:

(a) either the manufacturer's emission related operation and maintenance instructions or the facility's maintenance plan, whichever is relied upon for compliance with 40 C.F.R. § 63.6625.

(b) records of maintenance conducted on the engine.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

[Additional authority for this permit condition is from 25 Pa. Code § 127.441.]

(a) Pursuant to 40 C.F.R. §§ 63.6655(f) and (f)(2), the permittee shall keep the records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(b) The permittee shall compile the hours of operation on a monthly basis.

**SECTION E. Source Group Restrictions.****# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6660]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****In what form and how long must I keep my records?**

- (a) Records must be in a form suitable and readily available for expeditious review according to 40 C.F.R. § 63.10(b)(1).
- (b) As specified in 40 C.F.R. § 63.10(b)(1), the permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- (c) The permittee must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 C.F.R. § 63.10(b)(1).

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.**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

Pursuant to 40 C.F.R. § 63.6603(a) and Table 2d, Item 4, the permittee shall perform the following service on the engine:

- (a) change the oil and filter every 500 hours of operation or annually, whichever comes first;
- (b) inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- (c) inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- (d) the permittee has the option of using an oil analysis program, as described in 40 C.F.R. § 63.6625(i) to extend the above oil change requirements.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

The permittee shall be in compliance with the emission limitations, operating limitations, and other requirements in this subpart that apply to you at all times.

The permittee shall operate and maintain the engine and any associated air pollution control equipment and monitoring equipment in a manner consistent with safety and good air pollution control practices for minimizing emissions.

012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

In accordance with 40 C.F.R.' § 63.6625 (i), the permittee has the option of using an oil analysis program, in order to extend the oil change requirement in 40 C.F.R. § 63.6603.

- (a) The oil analysis must be performed at the same frequency specified in 40 C.F.R. Part 63 Subpart ZZZZ Table 2d Item 4 (Condition #011). The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are

**SECTION E. Source Group Restrictions.**

exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis.

(b) If the engine is not in operation when the results of the analysis in paragraph (a) are received, the engine owner or operator must change the oil within 2 business days of receiving the results or before commencing operation, whichever is later, pursuant to 40 C.F.R. § 63.6625(i).

(c) The permittee shall keep records of the parameters that are analyzed as part of the oil analysis program, the results of the analysis, and the oil changes for the engine.

(d) If the permittee uses an oil analysis program, as indicated in paragraph (a), the oil analysis program shall be part of the maintenance plan for the facility, as required by 40 C.F.R § 63.6625(i).

013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What are my monitoring, installation, operation, and maintenance requirements?

Pursuant to 40 C.F.R. §§ 63.6625(e) and (e)(3),

The permittee shall operate and maintain the engine and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop his/her own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

What are my monitoring, installation, operation, and maintenance requirements?

Pursuant to 40 CFR Section 63.6625(h),

The permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]

Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

In accordance with 40 C.F.R. § 63.6640(a), the permittee shall

i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 1

Group Description: PM Emissions Limits

Sources included in this group

ID	Name
101	COFFEE ROASTER
105	COFFEE ROASTER COOLER
110	DESTONER
115	BRIQUETTING PRESS

I. RESTRICTIONS.**Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

[Additional authority for this Operating Permit condition is from 25 Pa. Code Section 127.441.]

Particulate matter emissions (filterable) from each stack shall not exceed 0.02 grains per dry standard cubic foot.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code Section 123.13(c).]

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

The permittee shall limit total particulate matter ((PM) filterable and condensable) emissions from the following sources:

Coffee Roaster,
Coffee Roaster Cooler,
Destoner, and
Briquetting Press

to 1.71 lb/hr and 7.55 tons/year on a 12-month rolling basis.

II. TESTING REQUIREMENTS.**# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall perform a stack test using the Department-approved procedures once within the lifetime of the permit, then once every five (5) calendar years, where five (5) calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five (5) years later. 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. Refer to PADEP Source Testing Program website online for further information related to source testing including Source Testing FAQ and the PADEP Source Testing Manual.

(b) The stack test shall, at a minimum, test for

1. Source 101 – filterable and condensable particulate matter; and
2. Sources 105, 110 and 115 - filterable particulate matter.

The emissions shall be measured in grains per dry standard cubic feet and pounds per hour

Tests shall be conducted in accordance with the provisions of EPA Test Method 5 or other Department approved methodology and 25 Pa. Code Chapter 139.

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

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

**SECTION E. Source Group Restrictions.**

test.

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), an electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

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

(a) The permittee shall email all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Southeast Region
RA-EPSEstacktesting@pa.gov

Central Office
RA-EPstacktesting@pa.gov

(b) The following pertinent information shall be listed on the title page.

1. Test Date(s)

- a. For protocols, provide the proposed date on which testing will commence or "TBD"
- b. For reports, provide the first and last day of testing

2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF ID under which the protocol was stored in PSIMS, as indicated in the protocol response letter.

3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment

4. Testing Requirements

- a. Operating permit number

(c) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

III. MONITORING REQUIREMENTS.

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

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

The permittee shall calculate and record emissions from the facility of volatile organic compounds (VOC), particulate matter (PM), carbon monoxide (CO), and nitrogen oxides (NO_x) on a monthly and on a 12-month rolling basis.

(1) for PM, facility emissions shall include the total PM emissions from the following sources:

**SECTION E. Source Group Restrictions.**

Coffee Roaster (Source ID 101)
Coffee Roaster Cooler (Source ID 105)
Destoner (Source ID 110)
Briquetting Press (Source ID 115)

(2) Emission factors as presented in the application or as approved by the Department shall be used.

(3) The permittee shall record the emissions calculations and the data used in the calculations.

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.

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

VII. ADDITIONAL REQUIREMENTS.

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



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
101	COFFEE ROASTER		
Emission Limit		Pollutant	
1.210	Lbs/Hr		CO
5.300	Tons/Yr	12-month rolling basis	CO
0.970	Lbs/Hr		NOX
4.250	Tons/Yr	12-month rolling basis	NOX
1.710	Lbs/Hr	filterable and condensable for Group 1 Emission Sources	Particulate
7.550	Tons/Yr	filterable and condensable for Group 1 Emission Sources	Particulate
0.006	Lbs/Hr		SO2
0.026	Tons/Yr	12-month rolling basis	SO2
0.020	gr/DRY FT3	filterable	TSP
0.190	Lbs/Hr		VOC
0.830	Tons/Yr	12-month rolling basis	VOC
105	COFFEE ROASTER COOLER		
Emission Limit		Pollutant	
1.710	Lbs/Hr	filterable and condensable for Group 1 Emission Sources	Particulate
7.550	Tons/Yr	filterable and condensable for Group 1 Emission Sources	Particulate
0.020	gr/DRY FT3	filterable	TSP
110	DESTONER		
Emission Limit		Pollutant	
1.710	Lbs/Hr	filterable and condensable for Group 1 Emission Sources	Particulate
7.550	Tons/Yr	filterable and condensable for Group 1 Emission Sources	Particulate
0.020	gr/DRY FT3	filterable	TSP
115	BRIQUETTING PRESS		
Emission Limit		Pollutant	
1.710	Lbs/Hr	filterable and condensable for Group 1 Emission Sources	Particulate
7.550	Tons/Yr	filterable and condensable for Group 1 Emission Sources	Particulate
0.020	gr/DRY FT3	filterable	TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
----------------	-----------



SECTION G. Emission Restriction Summary.

**SECTION H. Miscellaneous.**

The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements as applicable, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

A.

- Green bean grinding operation (vents indoors)
- Coffee and tea packaging operation (vents indoors)
- (2) hot water heaters each 285,000 Btu/hr
Bradford White Serial No.s G13263694 & G13263696

B.

- Equipment authorized by RFD 6687 (11/1/2017) to Mars Drinks North America
- (1) exhaust fan in the coffee bean grinding room;
- 2) Grinder Dust Collector
- 3) local exhaust vent for a batch pre & post bean grinding transfer station;
- 4) local exhaust for a batch ground coffee bean transfer operation;
- 5) local exhaust vent for a batch mixing station
- 6) external exhaust for multiple (up to 60) potable coffee bin packaging stations.

C.

- Equipment authorized by RFD 7497 (1/22/2019) to Mars Drinks North America:
- external exhaust for multiple (16) portable coffee bin packaging stations

D.

- Equipment authorized by RFD 7577 to Lavazza Professional North America:
- (1) a new coffee bean grinder which is connected into the existing dust collector (shared with the existing grinder) which vents outside.
- (2) An additional exhaust for new pre- and - post coffee bean grinder operation with a fixed doughnut hood and fume arm. The exhaust rate from this process is 1600 scfm.

1. APS No. 921502; Auth No. 1148258

The following changes were made with the incorporation of Plan Approval 15-0142 in this initial Operating Permit.

In addition, an emergency generator (350 kW) and a diesel fire pump (170 hp) were included in the operating permit with the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, 25 Pa. Code Sections 123.21 and a 500 operating hours restriction. Monitoring and recordkeeping conditions for hours or operation, fuel usage and NOx emissions were included.

Condition numbers refer to the August 21, 2015 issuance of the modified Plan Approval.

Cover Page

The Responsible Official was changed to Joe Macrone. Erwan de Saint Mars is noted as an alternate Responsible Official, with contact information given in Section C.

Section A

The Section is corrected by including the Coffee Roaster Cooler Stack (Source ID 105) in the Source List and with the Coffee Roaster Cooler in the Permit Maps.

Section C

The following conditions were revised to conform to DEP standard conditions.

#002
#003
#008
#020
#021

Condition #011

The daily facility-wide monitoring condition was revised to tiered monitoring, since the permittee has demonstrated compliance

**SECTION H. Miscellaneous.**

with the fugitive and visible emissions and odor prohibitions in the Plan Approval.

Condition #018

The condition was removed as recordkeeping formats have already been submitted to DEP.

Condition #021

The condition was replaced with the DEP standard condition restricting modification of air contamination sources.

Additional Recordkeeping

DEP's standard condition was added for tracking the de minimis emissions increases allowed during the term of an Operating Permit by 25 Pa. Code Section 127.449 (Section B #013).

Additional Reporting

*The standard risk reporting condition required by 40 CFR Part 68 was included.

*The standard condition for source emissions reporting for the Air Information Management System (AIMS) was included.

Additional Work Practice

The standard condition requiring implementation of measures to remain in compliance with regulatory limitations was added.

Section D

Source IDs 101, 105, 110, 115

Condition #001

*The additional authority is changed to 25 Pa. Code Section 127.441, corresponding to Operating Permit terms and conditions.

*The condition was clarified by including the Source ID of the Stack.

Source ID 101**#002**

The condition was clarified by including the Source ID of the stack (S101).

Condition #012

The words "or equivalent" were removed from the condition specifying the model numbers of the Coffee Roaster and its cyclone with the definitive installation.

Source ID 105**Condition #007**

The words "or equivalent" were removed with the definitive installation of the Coffee Roaster Cooler.

Source IDs 110, 115**Conditions #002, #005**

The note was removed since the range for the pressure drop has been set.

Condition #008

(a) Pressure ranges of 0.1 - 5.0 in. w.c. and 0.1 - 8.0 in. w.c. were set for the Destoner and Briquetting Press respectively.

*For each baghouse, paragraph (c) was added requiring spare bags to be kept at the facility in order to replace any deteriorated bags.

Condition #009

The condition was revised to indicate cleaning of the baghouse by a timer activated air pulse system set by manufacturer's directives and with a frequency in the range of 1 to 30 seconds for the Destoner and 1 to 75 seconds for the Briquetting Press.

Condition #010

The words "or equivalent" were removed with the definitive installation of the Destoner and the Briquetting Press.

Source ID C102**Conditions #003, #005**

The monitoring and recordkeeping conditions for pressure differential across the oxidizer's catalyst bed

**SECTION H. Miscellaneous.**

were removed and replaced with a work practice condition for testing the differential pressure sensor of the oxidizer with recordkeeping of the results.

Condition #005

The recordkeeping reference is corrected.

#008(a)

The minimum temperature specification for the inlet gases to the catalytic oxidizer was changed to 830 F during roasting.

Condition #009

The phrase "or equivalent" is removed with the definitive installation of the oxidizer.

2. APS 985454 AUTH 1259892

The Operating Permit is amended for the change in ownership from Mars Drinks N.A. to Lavazza Professional N.A.

The Responsible Official is changed to Jeffrey Pierce and the alternate to Joe Macrone.

Equipment authorized by RFD's 6687,7497, and 7577 is listed in Section H with the insignificant sources.

3. March 2023 Auth No. 1428907, APS No. 1082121: State Only Operating Permit Renewal

The facility name has changed to Lavazza North America, LLC. The Responsible Official is Joe Macrone.

The PM emission limits (lbs/hr and tons/yr) for Source IDs 101, 105, 110 and 115 listed in Section G (Emission Restriction Summary) is the emission limit for the group (Source Group 1), not the emission limit for each individual source.



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