



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

TITLE V/STATE OPERATING PERMIT

Issue Date: November 30, 2023

Effective Date: December 1, 2023

Expiration Date: November 30, 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 applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 06-05065

Federal Tax Id - Plant Code: 31-0943426-1

Owner Information

Name: GLEN GERY CORP

Mailing Address: 423 S POTTSVILLE PIKE
SHOEMAKERSVILLE, PA 19555-9742

Plant Information

Plant: GLEN GERY CORP/MID ATLANTIC PLT

Location: 06 Berks County 06951 Perry Township

SIC Code: 3251 Manufacturing - Brick And Structural Clay Tile

Responsible Official

Name: JOHN VROBEL

Title: VP - PRODUCTION

Phone: (610) 374 - 4011

Email: john.vrobel@g lengery.com

Permit Contact Person

Name: MICHAEL KRZYZANOWSKI

Title: TECHNICAL SERVICES MGR

Phone: (610) 562 - 3076

Email: mike.krzyzanowski@oldcastleapg.com

[Signature] _____

WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER



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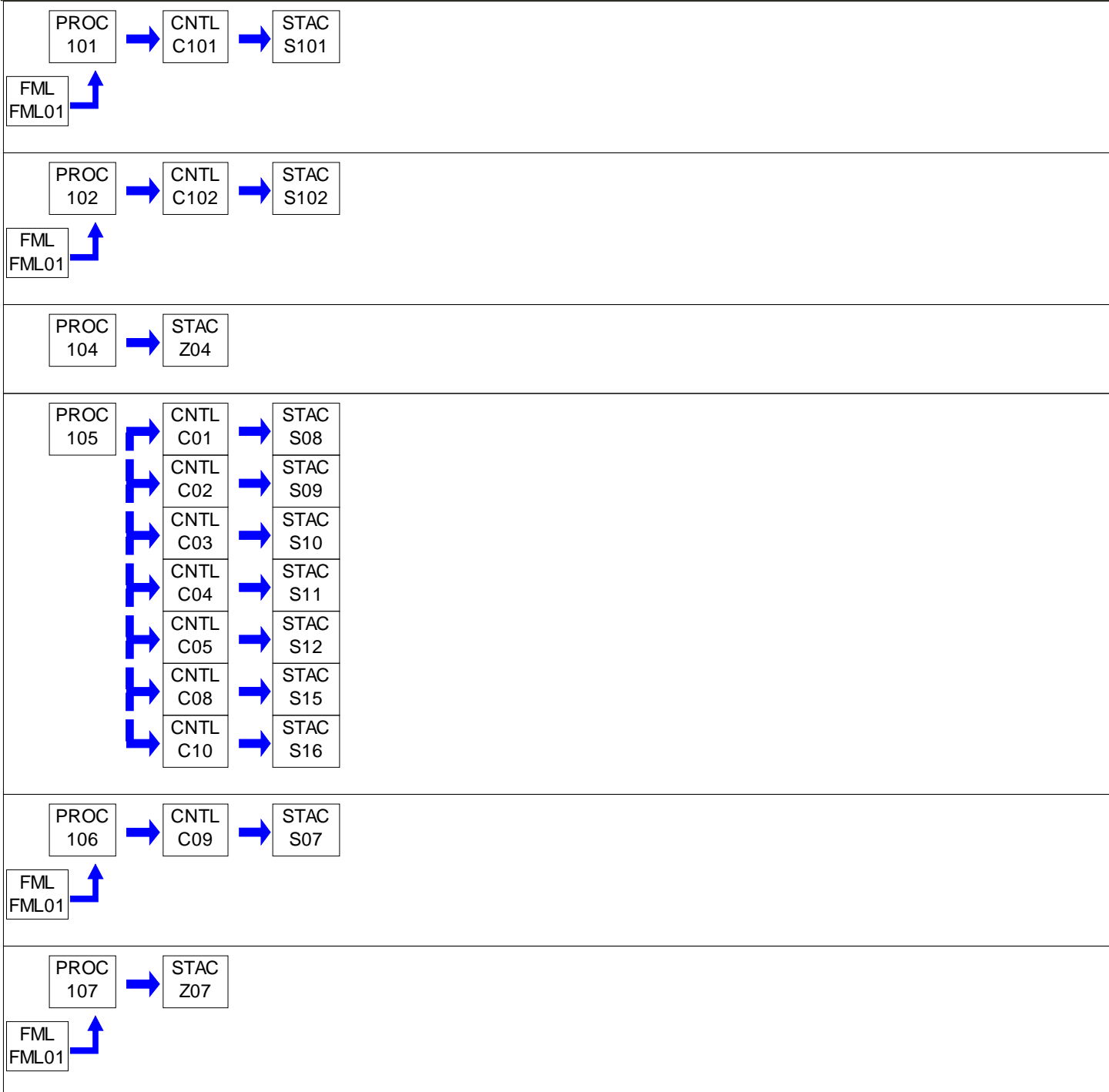
Source ID	Source Name	Capacity/Throughput		Fuel/Material
101	HARROP TUNNEL KILN	100.000	MCF/HR	NATURAL GAS
		16.100	Tons/HR	BRICKS
102	BICKLEY TUNNEL KILN	17.500	Tons/HR	BRICKS
		100.000	MCF/HR	NATURAL GAS
104	QUARRY CRUSHER	100.000	Tons/HR	SHALE/CLAY
105	GRINDING/SCREENING/MANUFACTURING	80.000	Tons/HR	SHALE/CLAY
106	SAND DRYER	1.700	Tons/HR	SAND
		1.600	MCF/HR	Natural Gas
107	PROCTOR DRYER (MOLDED DRYER)	4.200	MCF/HR	NATURAL GAS
		18.100	Tons/HR	BRICK DRYING
108	SPACE HEATERS			
109	SHAPES DRYER	5.000	MCF/HR	NATURAL GAS
		10.000	Tons/HR	BRICKS
110	BRICK SHUTTLE KILN	545.000	Lbs/HR	BRICKS
		1.400	MCF/HR	NATURAL GAS
111A	EMERGENCY GENERATOR			
112	COLD CLEANING MACHINES (DEGREASERS)			
C01	FABRIC COLLECTOR: SAND MIXING OP.			
C02	FABRIC COLLECTOR: SHALE GRDG LN#2			
C03	FABRIC COLLECTOR: SHALE GRDG LN#1			
C04	FABRIC COLLECTOR: FINE SILO-SHALE GRINDING			
C05	FABRIC COLLECTOR: COLONIAL MAKING			
C08	FABRIC COLLECTOR: WIRECUT SAND B&S			
C09	FABRIC COLLECTOR: SAND DRYER			
C10	FABRIC COLLECTOR: MOLDSANDER/DRYSAW			
C101	DLA: HARROP KILN			
C102	DLA: BICKLEY KILN			
FML01	NATURAL GAS PIPELINE			
S07	STACK: SAND DRYER			
S08	STACK: SAND MIXING			
S09	STACK: SHALE GRINDING LINE #2			
S10	STACK: SHALE GRINDING LINE #1			
S101	STACK: HARROP KILN			
S102	STACK: BICKLEY KILN			
S109	STACK: SHAPES DRYER			
S11	STACK: FINE SILO-SHALE GRINDING			
S110	STACK: SHUTTLE KILN			
S111	STACKS: EMERGENCY GENERATORS			
S12	STACK: COLONIAL MAKING			
S15	STACK: WIRE CUT-SAND BLAST			
S16	STACK: MOLD SANDER/DRY SAW			



SECTION A. Site Inventory List

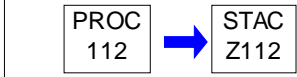
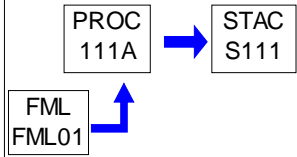
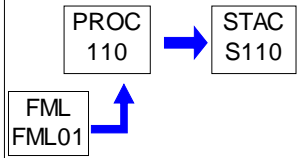
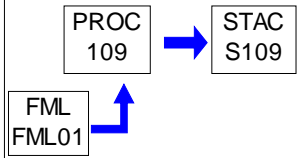
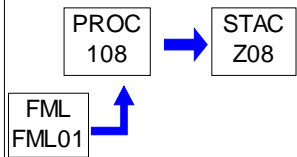
Source ID	Source Name	Capacity/Throughput	Fuel/Material
Z04	FUGITIVE: QUARRY CRUSHER		
Z07	FUGITIVE: PROCTOR DRYER		
Z08	FUGITIVE: SPACE HEATERS		
Z112	FUGITIVE: COLD CLEANING MACHINES		

PERMIT MAPS





PERMIT MAPS



**SECTION B. General Title V 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 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]**Property Rights**

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

#004 [25 Pa. Code § 127.446(a) and (c)]**Permit Expiration**

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. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V 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. 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.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]**Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. 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.

(c) 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. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) 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 during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**Transfer of Ownership or Operational Control**

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

- (1) The Department determines that no other change in the permit is necessary;
- (2) 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,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]**Inspection and Entry**

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

- (1) Enter at reasonable times upon the permittee's premises where a Title V 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 or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, 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, 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.

(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.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

- (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 to the source are 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 Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

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

**SECTION B. General Title V Requirements****#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]**Reopening and Revising the Title V Permit for Cause**

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]**Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]**Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**SECTION B. General Title V Requirements****#014 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]**Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]**Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]**Severability Clause**

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

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). 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.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

**SECTION B. General Title V Requirements**

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

#019 [25 Pa. Code §§ 127.14(b) & 127.449]**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. 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.

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

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit 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 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 or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(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.

**SECTION B. General Title V Requirements**

(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, liquefied petroleum gas 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.

(d) 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 (b)(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 the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(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 allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical 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.

#020 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(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).

#021 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

**SECTION B. General Title V Requirements**

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) 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 on the permit transmittal letter, or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

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

- (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.

**SECTION B. General Title V Requirements**

(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 the 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

**SECTION B. General Title V Requirements****#027 [25 Pa. Code § 127.3]****Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

- (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)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V 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 § 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 the Title V 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 the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

**SECTION B. General Title V Requirements**

(e) If the Title V 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 the Title V 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:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]**Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

#031 [25 Pa. Code §135.3]**Reporting**

(a) 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 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.

#032 [25 Pa. Code §135.4]**Report Format**

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

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

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

- a. Construction or demolition of buildings or structures.
- b. Grading, paving and maintenance of roads and streets.
- c. 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.
- d. Clearing of land.
- e. Stockpiling of materials.
- f. Open burning operations
- g. Sources and classes of sources other than those identified above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 1. The emissions are of minor significance with respect to causing air pollution; and
 2. The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

No person shall permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in condition #001, Section C above, if such emissions are visible at the point the emissions pass outside the person's property.

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

No person shall 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.

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

No person shall 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.

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

Hazardous air pollutant (HAP) emissions from the facility shall be less than 25 tons total for all HAP in any 12-month period and shall be less than 10 tons total for any individual HAP in any 12-month period. The permittee shall maintain records to show it is meeting these limits.

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

(a) No person shall permit the open burning of material in such a manner that:

1. The emissions are visible, at any time, at the point such emissions pass outside the property of the person on whose land the open burning is being conducted.

**SECTION C. Site Level Requirements**

2. Malodorous air contaminants from the open burning are detectable outside the property of the person on whose land the open burning is being conducted.
 3. The emissions interfere with the reasonable enjoyment of life or property.
 4. The emissions cause damage to vegetation or property.
 5. The emissions are or may be deleterious to human or animal health.
- (b) These limits do not apply where the open burning operations result from the following:
1. 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.
 2. A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
 3. A fire set for the prevention and control of disease or pests, when approved by the Department.
 4. A fire set solely for recreational or ceremonial purposes.
 5. A fire set solely for cooking food.
- (c) This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P. S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured by 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.

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

The Department reserves the right to require exhaust stack testing of any source(s) as necessary during the permit term to verify emissions for purposes including emission fees, malfunctions or permit condition violations.

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

For any testing the permittee shall follow the following:

- a. Pursuant to 25 Pa. Code Section 139.3 at least 90 calendar days prior to commencing an emissions testing program, unless otherwise approved in writing by DEP, a test protocol shall be submitted to the Department for review and approval. Unless approved in writing by DEP, the permittee shall not conduct the test that is the subject of the protocol until the protocol has been approved in writing by the DEP.
- b. Pursuant to 25 Pa. Code Section 139.3 at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- c. Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an

**SECTION C. Site Level Requirements**

emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

d. Pursuant to 40 CFR Part 60.8(a), a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program.

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

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

f. Pursuant to 25 Pa. Code Section 139.3 to all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

h. Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecom/Login.jsp> when it becomes available. If internet submittal can not be accomplished, two copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks. In a like manner, a copy of the submittal shall be sent to the South Central Regional Office and District Office.

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

010 [25 Pa. Code §139.1]**Sampling facilities.**

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

III. MONITORING REQUIREMENTS.**# 011 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee, shall conduct a weekly inspection around the facility periphery during daylight hours when the facility is in production to detect visible emissions, fugitive emissions, and malodorous emissions as follows:

a. Visible emissions in excess of the limits stated in Condition #004, Section C. Visible emissions may be measured according to the methods specified in Condition #006, Section C. As an alternative, facility personnel who observe such visible emissions shall report each incident to the Department within four (4) hours of each occurrence and make arrangements for a certified observer to read the visible emissions.

b. The presence of fugitive emissions beyond the facility property boundaries, as stated in Condition # 002, Section C.

**SECTION C. Site Level Requirements**

c. The presence of odors beyond the facility property boundaries that have the potential to be malodorous as stated in Condition # 003, Section C.

IV. RECORDKEEPING REQUIREMENTS.**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Unless otherwise noted, all records required by this and subsequent operating permits shall be maintained for the most recent five-year period and shall be readily available to the Department upon request. The most recent two years of records must be retained at the facility. The remaining three years of records may be retained off site. The records may be retained on paper, microfilm, microfiche or computer disks. If the records are retained on computer disks, the records must be in commonly available software. Commonly available software is usually compatible with a Microsoft application such as Word or Excel. For records kept off site, readily available is defined as available within one business day.

013 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

The permittee shall maintain record of inspections around the plant periphery. Each record shall include, at minimum, the following information:

- 1.) The name of the company representative doing the observation.
- 2.) The date and time of the monitoring.
- 3.) The wind direction.
- 4.) A description of any emissions and/or malodors observed and actions taken to mitigate them. If none, record "NONE."

These records shall be maintained for the most recent five (5) year period and be made available to the Department upon request.

V. REPORTING REQUIREMENTS.**# 014 [25 Pa. Code §127.512]****Operating permit terms and conditions.**

[Additional authority for the following condition is derived from 25 Pa. Code Section 127.511]

The permittee shall report malfunctions to the Department. As defined in 40 CFR Section 60.2 and incorporated by reference in 25 Pa. Code Chapter 122, a malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

a. Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Air Quality Program at (610) 916-0100 during normal business hours, or to the Department's Emergency Hotline at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirement of subsection (a) above, shall be reported to the Department, in writing, within five (5) days of malfunction discovery.

Malfunctions shall be reported to the Department to William Borst at <wborst@pa.gov>.

VI. WORK PRACTICE REQUIREMENTS.

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

**SECTION C. Site Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 015 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from the sources identified in Condition #001, Section C from becoming airborne. These actions shall include, but not be limited to, the following:

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

016 [25 Pa. Code §123.42]**Exceptions**

The limitations of 25 Pa. Code Section 123.41 (relating to limitations) do 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.
- c. When the emission results from sources specified in Condition #001, Section C (relating to prohibition of certain fugitive emissions).

017 [25 Pa. Code §135.21]**Emission statements**

Per Site Level Category VIII COMPLIANCE CERTIFICATION below, forward EPA the annual compliance certification report electronically, in lieu of a hard copy version, to the email address: 'R3_APD_Permits@epa.gov'.

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/2024 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

***** Permit Shield In Effect *****

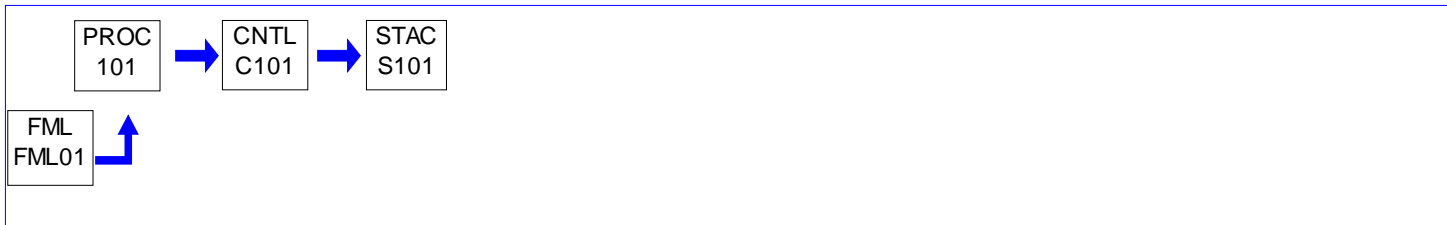
**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: HARROP TUNNEL KILN

Source Capacity/Throughput:	100.000 MCF/HR	NATURAL GAS
	16.100 Tons/HR	BRICKS

Conditions for this source occur in the following groups: SG01

**I. RESTRICTIONS.**

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

***** Permit Shield in Effect. *****

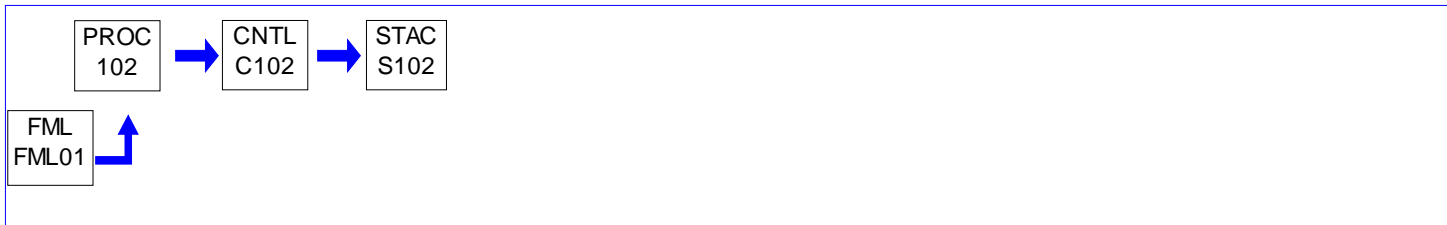
**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: BICKLEY TUNNEL KILN

Source Capacity/Throughput:	17.500 Tons/HR	BRICKS
	100.000 MCF/HR	NATURAL GAS

Conditions for this source occur in the following groups: SG01

**I. RESTRICTIONS.**

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

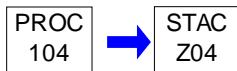
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: QUARRY CRUSHER

Source Capacity/Throughput: 100.000 Tons/HR SHALE/CLAY

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

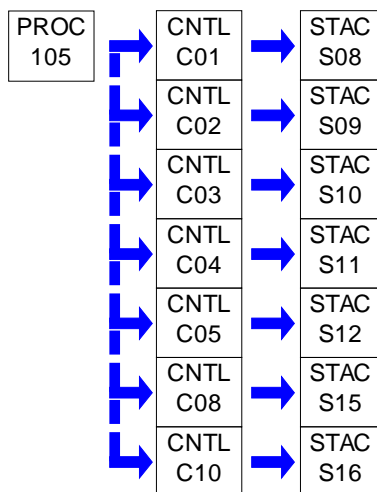
Source ID: 105

Source Name: GRINDING/SCREENING/MANUFACTURING

Source Capacity/Throughput:

80.000 Tons/HR

SHALE/CLAY

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

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee, shall maintain record of all preventative maintenance inspections of the fabric collectors. The inspection records, at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered, the steps taken to correct them, and the measured pressure drop across each of the fabric collector.

The inspection records shall be maintained for a period of five years and be made available to the Department for inspection.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In order to assure compliance with the particulate concentration limit of condition #001 above, the permittee shall perform the following:

- a. The permittee shall maintain the fabric collectors in accordance with the manufacturer's specifications.
- b. The permittee shall perform weekly preventative maintenance inspections of the fabric collectors, and check the pressure drop across each of the fabric collectors.

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

The permittee shall install, operate, and maintain a device to measure the pressure drop across each fabric collector.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: SAND DRYER

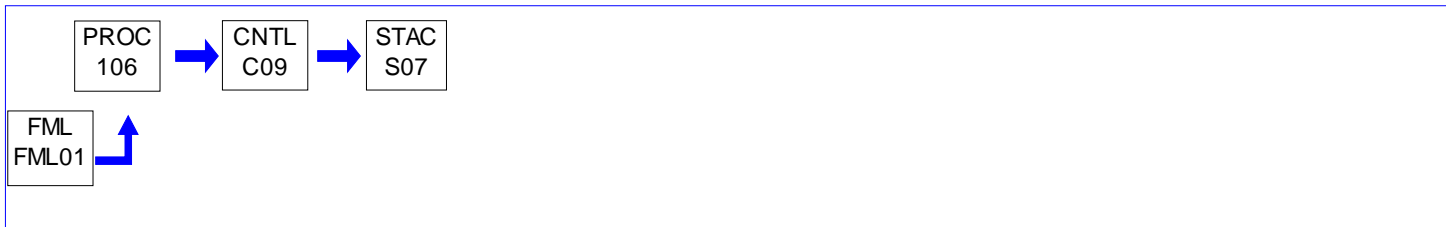
Source Capacity/Throughput:

1.700 Tons/HR

SAND

1.600 MCF/HR

Natural Gas

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only fire natural gas in the source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount and type of fuel fired in the dryer monthly.

005 [25 Pa. Code §127.511]

Monitoring and related recordkeeping and reporting requirements.

The permittee, shall maintain record of all preventative maintenance inspections of the fabric collector. The inspection records at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered, the steps taken to correct them, and the measured pressure drop across each of the fabric collector.

The inspection records shall be maintained for a period of five years and be made available to the Department for inspection.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In order to assure compliance with the particulate concentration limit of Condition #001 above, the permittee shall perform the following:

- a. The permittee shall maintain the fabric collector in accordance with the manufacturer's specifications.
- b. The permittee shall perform weekly preventative maintenance inspections of the fabric collector, and check the pressure drop across the fabric collector.

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate, and maintain a device to measure the pressure drop across the fabric collector.

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: PROCTOR DRYER (MOLDED DRYER)

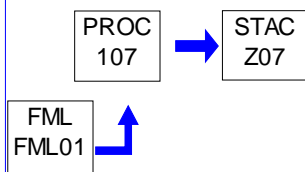
Source Capacity/Throughput:

4.200 MCF/HR

NATURAL GAS

18.100 Tons/HR

BRICK DRYING

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only fire natural gas in the source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount and type of fuel fired in the dryer monthly.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

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

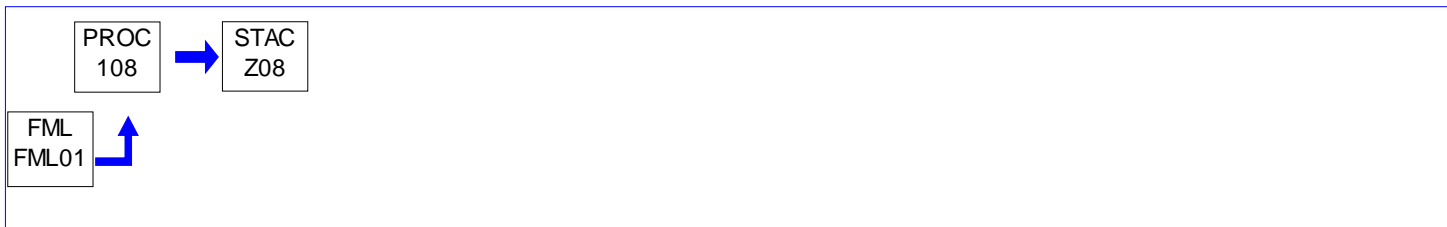
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: SPACE HEATERS

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only fire natural gas in the source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the amount and type of fuel fired by the heaters at a minimum of each calendar month.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: SHAPES DRYER

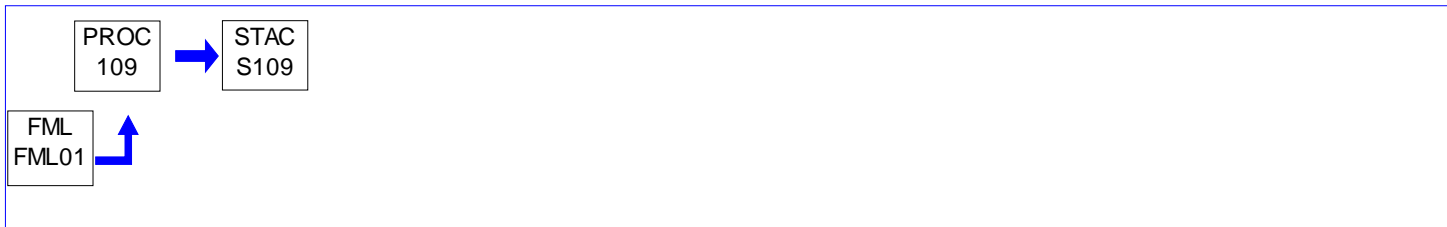
Source Capacity/Throughput:

5.000 MCF/HR

NATURAL GAS

10.000 Tons/HR

BRICKS

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use natural gas as a fuel in the source.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the following;

- a. The monthly production throughout, and
- b. The monthly fuel usage.



SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

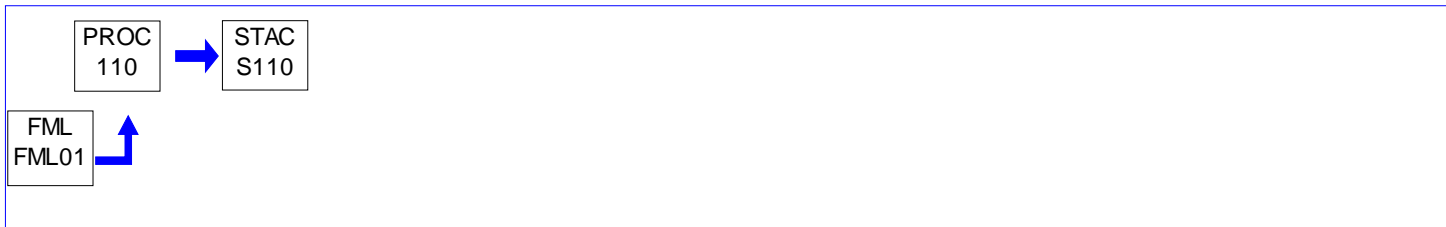
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: BRICK SHUTTLE KILN

Source Capacity/Throughput:	545.000 Lbs/HR	BRICKS
	1.400 MCF/HR	NATURAL GAS

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate the source in a manner that results in no visible or malodorous emissions.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the emissions of hydrogen fluoride (HF) to 0.91 tons during any consecutive 12-month period by limiting the production of the kiln to 1046 tons of fired brick during any consecutive 12-month period.

Fuel Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only fire natural gas in the kiln.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permit shall maintain a monthly rolling total of the following:

**SECTION D. Source Level Requirements**

- a. Emissions of HF,
- b. Tons of fired brick,
- c. Volume of natural gas fired, and
- d. Hours of operation.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 111A

Source Name: EMERGENCY GENERATOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG03

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

001 [25 Pa. Code §123.13]

Processes

The permittee shall not permit the emission to the atmosphere of particulate matter from the source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

II. TESTING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain the following records:

- a. Monthly hours of operation
- b. Type of fuel used
- c. Monthly amount of fuel used
- d. 12-month rolling hours of operation
- e. 12-month rolling amount of fuel used

V. REPORTING REQUIREMENTS.

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



SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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

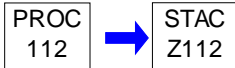
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 112

Source Name: COLD CLEANING MACHINES (DEGREASERS)

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall not use in a cold cleaning machine any solvent, with greater than 5% VOC by weight in the amount of 2 gallons or more, that has a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater measured at 20°C (68°F).

The above requirement does not apply:

- To cold cleaning machines used in extreme cleaning service.
- If the permittee demonstrates, and the Department approves in writing, that compliance with these conditions will result in unsafe operating conditions.
- To immersion cold cleaning machines with a freeboard ratio equal to or greater than 0.75.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall maintain an inventory of the cold cleaning machines used at the facility. The inventory shall be updated each January. The inventory shall include the following information:

- Type of unit
- Size of the unit in gallons of solvent
- Solvent used
- Freeboard ratio
- Location of the unit at the facility

The permittee shall maintain for at least two (2) years and shall provide to the Department, on request, the following information:

- The name and address of the solvent supplier.
- Type of solvent including the product or vendor identification number.
- The vapor pressure of the solvent measured in millimeters of mercury (mmHg) at 20°C (68°F).

An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §129.63]****Degreasing operations**

The cold cleaning machine shall be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than six (6) inches shall constitute an acceptable cover.

004 [25 Pa. Code §129.63]**Degreasing operations**

The permittee shall operate cold cleaning machines as follows:

- a. Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- b. Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- c. Sponge, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cleaning machine.
- d. Air agitated solvent baths may not be used.
- e. Spills during solvent transfer and use of cold cleaning machines shall be cleaned-up immediately.

005 [25 Pa. Code §129.63]**Degreasing operations**

The permittee shall for immersion cold cleaning machines and remote reservoir cold cleaning machines have a permanent, conspicuous label summarizing the operating requirements of Condition #003 and the below discretionary good operating practices:

- a. Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that the solvent drains directly back to the cold cleaning machine.
- b. When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
- c. Work area fans should be located and positioned so that they do not blow across the opening of the cold cleaning machine.

VII. ADDITIONAL REQUIREMENTS.**# 006 [25 Pa. Code §129.63]****Degreasing operations**

The permittee that operates a parts washer or cold cleaning machine that uses two gallons or more of solvent containing greater than 5% VOC by weight for the cleaning of metal parts shall comply with the requirements in this section.

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG01

Group Description: Tunnel Kilns

Sources included in this group

ID	Name
101	HARROP TUNNEL KILN
102	BICKLEY TUNNEL KILN

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

The permittee shall limit the emissions of particulate matter to the outdoor atmosphere from the source(s) in a manner that the concentration of particulate matter in the effluent gas does not exceed 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The permittee shall limit the emissions from each kiln to the following:

- a. Particulate - 0.42 pounds per ton of brick,
- b. Hydrogen Fluoride (HF) - 0.057 pounds per ton of brick, or a 90 percent reduction in uncontrolled emissions from each kiln,
- c. Hydrogen Chloride (HCl) - 0.26 pounds per ton of brick, or a 30 percent reduction in uncontrolled emissions from each kiln, and
- d. Opacity - 0 percent.

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

The permittee shall only use natural gas as a fuel in the kilns.

Control Device Efficiency Restriction(s).**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain on each brick tunnel kiln a dry limestone adsorption (DLA) unit as approved by the Department. The DLA shall be maintained to limit the emissions from the kiln to the rates as found in Section E, SG01, Condition #003.

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

The permittee shall maintain a minimum limestone throughput on each DLA by operating the extraction screws at the following rates:

- a. DLA for the Harrop kiln - 11.43 minutes per hour.
- b. DLA for the Bickley kiln - 23.53 minutes per hour.

**SECTION E. Source Group Restrictions.**

These rates are subject to change based on the most recent source testing. Should compliance testing be conducted at a higher rate, those rates become the minimum throughput limits.

II. TESTING REQUIREMENTS.**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall conduct a performance test on each kiln at the following times in accordance with Chapter 139 of the rules and regulations of the Department. The testing shall be for particulate, hydrogen fluoride (as HF), hydrogen chloride (as HCl) and visible emissions unless otherwise instructed.

The performance testing shall be conducted while the kilns are operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department. The performance testing may not be conducted during periods of start-up, shutdown or malfunction. Each test shall include at least three separate runs with each run lasting a minimum of one hour.

Unless otherwise approved in writing by DEP, the permittee shall conduct performance tests for the above pollutants at the following times:

- a. Once every five years.
- b. Whenever the permittee changes a parameter value for any operating limits specified by the permittee for the operation of the DLAs.

[Additional authority for this condition is derived from 25 PA Code 139.11.]

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

The permittee shall perform daily visible emission observations on each stack using EPA Method 22 of 40 CFR Part 60. All observations shall be conducted while the kilns and DLAs are operating under normal conditions. The duration of each reading shall be at least 15 minutes.

If emissions are observed during any daily or weekly tests, the permittee must promptly initiate and complete corrective actions according to the permittee's standard operating procedures.

If no emissions are observed in 30 consecutive daily Method 22 tests, the frequency of the testing may be changed from daily to weekly. If at any time emissions are observed during the weekly tests, the frequency shall be returned to daily.

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

Except for periods of monitor malfunction, associated repairs and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permittee must monitor continuously or collect data at all required intervals at all times that the source is operating. This includes periods of start-up, shutdown, malfunction and routine control device maintenance as specified by the permit when the source is operating.

The permittee may not use data recorded during monitoring malfunctions, associated repairs, out-of-control periods or required quality assurance or control activities for the purpose of calculating data averages. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring system to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions. The permittee must use all the valid data collected during all other periods in assessing compliance. Any averaging period for which the permittee does not have a valid monitoring data and such data are required constitutes a deviation from the monitoring requirements.

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

The permittee shall maintain in good operation all monitoring and measuring equipment as required by this permit and the

**SECTION E. Source Group Restrictions.**

Department, in relationship to the type of source and control device being operated. The specifics shall be found in the permit, the manufacturer's specifications and the permittee's standard operating procedures.

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

The permittee shall maintain the following monitoring devices:

- a. Devices designed to monitor the pressure within each of the kilns.
- b. Devices to monitor the limestone extraction screw setting rate on each DLA.
- c. Device to monitor the DLA bypass damper position.

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

The permittee shall use the pressure measurement readings on each of the kilns as a method of detecting blockages or channels within the DLAs. The permittee shall maintain the monitors as follows:

- a. Daily check the monitor to determine it is operating properly
- b. Check the monitor and tubing quarterly to ensure there is not plugging,
- c. If using a manometer, check the gauge calibration annually,
- d. Conduct calibration checks or install a new pressure sensor any time the sensor exceeds the manufacturer's specifications maximum operating pressure range, and
- e. At least annually, inspect all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

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

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64.7, CAM]

The permittee shall daily check the limestone extraction screw systems to determine that they are operating at the same rate or higher as measured during the last performance test ensuring the proper limestone feed rate. In addition, the permittee shall monitor the limestone extraction screw monitors as follows:

- a. Conduct performance evaluations in accordance with the permittee's standard operating procedures.
- b. Record the results of each inspection, calibration and validation check.
- c. Maintain necessary parts for routine repairs of the system.

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

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64.7, CAM]

1. The permittee shall monitor the following:

- a. Daily visually check that each storage silo contains an adequate supply of limestone.
- b. Daily read the limestone extraction screw setting on each DLA.

2. In lieu of daily visual inspections of the limestone storage silos, the permittee may install and maintain redundant level indicators that:

- a. Indicate when a full delivery of limestone can be accepted, and
- b. Indicate when a delivery of limestone is necessary to ensure continued compliance.

The level indicators shall be read daily.

015 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64.7, CAM]

The permittee shall maintain the DLA bypass damper position devices as follows:

**SECTION E. Source Group Restrictions.**

- a. Visually check each bypass damper daily to ensure that the monitor corresponds with the actual position,
- b. Record the bypass damper position every 15 minutes, and
- c. At least monthly, inspect all components for integrity.

IV. RECORDKEEPING REQUIREMENTS.**# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64.7, CAM]

The permittee shall record the following:

- a. The results of the daily level indicators readings on each DLA limestone storage silo, or if required, the visual checks of the limestone storage silo (see Condition #014).
- b. The daily limestone extraction screw settings for each DLA.
- c. The source, supplier and type of limestone delivered to each DLA.
- d. The results of all visual emission observations. Any corrective actions taken as a result of visual emission observations.
- e. Each DLA bypass damper position reading (minimum of every 15 minutes).
- f. The results of the daily inspection of the kiln pressure monitor (operational/nonoperational).

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

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64.7, CAM]

The permittee shall at a minimum maintain the following records:

- a. A copy of each notification and report submitted to comply with this permit, including the initial notification and all compliance reports.
- b. All records required by this permit.
- c. All performance tests required to ensure compliance with this permit or alternative operation.
- d. All records relating to any control device maintenance.
- e. Approved routine control device maintenance exemptions.
- f. All records needed to show continuous compliance with each emission limitation.
- g. Records of each deviation of an operating limit parameter including: date, time, duration, cause and corrective actions, including whether the deviation occurred during a start-up, shutdown or malfunction.
- h. Production based on fired-product.
- i. Approval of alternative monitoring and/or test procedures.
- j. Records of maintenance and inspections of any control devices, including those resulting in a by-pass of the DLAs.
- k. Current standard operating limits and procedures for the DLAs.

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain the following additional records:

- a. Monthly fuel usage
- b. 12-month rolling fuel usage
- c. Monthly emissions of particulate, NO_x, SO_x, CO, VOC, HF and HCl
- d. 12-month rolling emission totals of the above pollutants

019 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall maintain all records in a manner suitable and readily available for expeditious review by the Department and/or EPA.

All records shall be maintained for five (5) years from the date of each occurrence, measurement, maintenance, corrective action, report or record. These records shall be maintained on site a minimum of two (2) years.

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64.7, CAM]

The permittee shall include the following additional information about the kilns and the DLAs in the annual Compliance Certification:

- a. Periods of any start-up, shutdown and malfunctions and any actions taken
- b. Maintenance conducted on any control devices while the kilns were operating and the DLAs are being bypassed

This item shall include the following information:

1. Date and time when any control devices were shutdown and restarted.
 2. The identification of the kiln involved.
 3. Number of hours the control device was shutdown and the kiln was operating.
 4. A statement whether any control device maintenance is routine maintenance covered by the permittee's standard operating procedures.
- c. Statement of any emission deviations or a statement there were no emission deviations. If applicable, the emissions deviation report shall include the following:
1. The total operating time (hours) of each affected kiln during the reporting period
 2. The number, duration (hours) and cause of each deviation (including unknown cause, if applicable) and any corrective action taken.
- d. A statement if any control devices were or were not down during operation of the kilns
- e. If there are no deviations from the emission limitations that apply, a statement that there are no deviations
- f. If there are no periods during which any control devices are not out of control as specified in the standard operating procedures, a statement that there were no deviations

VI. WORK PRACTICE REQUIREMENTS.**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the emission limitations of Section E, SG01, Condition #003 at all times, except during periods of start-up, shutdown, malfunction and periods of routine control device maintenance as long as the permittee follows the requirements of this permit.

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

The permittee shall operate and maintain the sources, any control devices and any monitoring equipment in accordance with this permit.

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

The permittee shall maintain, update as necessary and implement written standard operating procedures.

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

The permittee is permitted to operate the kilns in the by-pass mode in accordance with the Department's May 2, 2007, approval of the permittee's request dated April 4, 2007. If the permittee wishes to operate the kilns in a bypass mode while any control devices are under routine maintenance other than those included in the May 2, 2007 approval letter, the permittee shall receive prior approval from the Department, in writing. (NOTE: The May 2, 2007 approval letter requires meeting the conditions in 40 CFR 63.8420 subparagraphs (e)(1), (e)(2), (e)(4) and (e)(5).)

1. The request for approval shall include the following:
 - a. Justification for the need to operate in this manner,
 - b. The time required to accomplish the maintenance activities,

**SECTION E. Source Group Restrictions.**

- c. Describe the maintenance activities to be conducted,
- d. The frequency of the maintenance activities,
- e. Why the maintenance cannot be accomplished during shutdown,
- f. Describe the plans to be used to minimize emissions during the maintenance, and
- g. Any other documentation required by the Department.

2. The following also apply to the exemption:

- a. The routine control device maintenance shall not exceed 4 percent of the annual operating time of the kiln.
- b. The request as approved by the Department shall be incorporated by reference into the Title V permit.
- c. The permittee shall minimize the emissions hazardous air pollutants during the bypass.
- d. The permittee shall minimize the bypass time.

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

[Additional authority for this condition is derived from 40 CFR Sections 64.3, 64.6 & 64.7, CAM]

The permittee shall operate the dry limestone adsorption (DLA) units in the following manner:

- a. Maintain the DLA bypass damper closed at all times, except as approved in this permit or in writing from the Department.
- b. Maintain an adequate amount of limestone in the hopper, storage bin (located at the top of the DLAs), and the DLAs at all times,
- c. Maintain the limestone extraction screw settings at or above the levels in Condition #006 or any others established during the most recent performance test, and
- d. Use the same grade of limestone from the same source as was used during the most recent performance test (#1 Coarse Product Screened CaCO₃ Limestone from Old Castle Industries Minerals in Thomasville, PA).

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

The permittee shall replace any broken level indicators in the limestone storage silos within one week. Should both level indicators in a silo be non-operable at the same time, the permittee shall use the limestone reorder level indicators as the low level indicators until the replacement. If the limestone drops below the reorder level, the permittee shall replace one of the low level indicators and have limestone delivered within 48 hours.

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

The permittee shall operate the sources in the following manner:

- A. For the purposes of determining the need for a QIP, a DLA operating at less than the minimum limestone throughput is an excursion.
- B. For the purposes of determining the need for a QIP, failure on any given day to check any of the storage silos for an adequate supply of limestone is an excursion.
- C. For the purposes of determining the need for a QIP, operating the bypass damper in the bypass mode on any given day is an excursion if the bypass mode is not permitted by Source Group SG01, Condition #024.
- D. Bypass events allowed by Source Group SG01, Condition #024, shall not count toward triggering a QIP.
- E. The monitoring equipment shall be checked daily to determine if it is operating properly.
- F. Spare monitoring equipment and related parts shall be maintained on site for routine repairs/replacements.

The permittee shall develop and implement a quality improvement plan (QIP) if the following occurs:

- 1. An excursion of any given parameter occurs six or more times during any consecutive 6-month period.

**SECTION E. Source Group Restrictions.**

2. The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

In general, the QIP should be developed within 60 days from the date on which the need for a QIP was determined. The permittee shall provide a copy of the QIP to the Department. Furthermore, the permittee shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined. The permittee shall record any actions taken to implement a QIP during a reporting period and all related actions including, but not limited to, inspections, repairs and maintenance performed on the monitoring equipment. In accordance with 40 CFR Section 64.8, CAM, the QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the QIP shall be modified to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- a. Improved preventive maintenance practices
- b. Process operation changes
- c. Appropriate improvements in control methods
- d. Other step appropriate to correct performance

Following implementation of the QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:

- i. Address the cause of the control device performance problem
- ii. Provide adequate procedures for correcting control device performance as expeditiously as practicable in accordance with good air pollution practices for minimizing emissions.

Implementation of a QIP shall not excuse the permittee from compliance with any existing emission limitation or standard or any existing monitoring, testing, reporting, work practice and record keeping requirements that may apply under any federal, state or local laws or any other applicable requirement under the Clean Air Act.

VII. ADDITIONAL REQUIREMENTS.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use the results of the performance testing to determine the following:

- a. The emissions of hydrogen fluoride (HF), hydrogen chloride (HCl) and particulate per unit of production of bricks in each kiln. These values shall be calculated using the following equation:

$$MP = ER / P$$

MP = mass per unit of production (pounds per ton of fired product)

ER = mass emission rate of each pollutant (pounds per hour)

P = production rate during each performance test run (tons per hour)

- b. The percent reduction of HF and HCl emissions from each kiln. These values shall be calculated using the following equation:

$$PR = [(ER_i - ER_o) / ER_i] \times (100)$$

PR = percent reduction

ER_i = mass emission rate of the specific pollutant entering the control device (pounds per hour)

ER_o = mass emission rate of the specific pollutant exiting the control device (pounds per hour)

***** Permit Shield in Effect. *****

**SECTION E. Source Group Restrictions.**

Group Name: SG03

Group Description: Emergency Generator Engine

Sources included in this group

ID	Name
111A	EMERGENCY GENERATOR

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Am I subject to this subpart?**

§ 60.4230 Am I subject to this subpart?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (6) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1-2-3) [NA - NOT AN ENGINE MANUFACTURER]

(4) [EMERGENCY ENGINE WITH MAXIMUM ENGINE POWER GREATER THAN 19 KW (25 HP)]

(5) [ENGINE NOT MODIFIED NOR RECONSTRUCTED]

(6) The provisions of § 60.4236 of this subpart are applicable to all owners and operators of stationary SI ICE that commence construction after June 12, 2006.

(b) [NA - NOT ENGINE TEST CELL/STAND]

(c) If you are an owner or operator of an area source subject to this subpart, you are exempt from the obligation to obtain a

**SECTION E. Source Group Restrictions.**

permit under 40 CFR part 70 or 40 CFR part 71, provided you are not required to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a) for a reason other than your status as an area source under this subpart. Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart as applicable.

(d) For the purposes of this subpart, stationary SI ICE using alcohol-based fuels are considered gasoline engines.

(e) Stationary SI ICE may be eligible for exemption from the requirements of this subpart as described in 40 CFR part 1068, subpart C (or the exemptions described in 40 CFR parts 1048 and 1054, for engines that would need to be certified to standards in those parts), except that owners and operators, as well as manufacturers, may be eligible to request an exemption for national security.

(f) [NA - NOT TEMPORARY REPLACEMENT]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37972, June 28, 2011; 86 FR 34360, June 29, 2021]

60.4231 What emission standards must I meet if I am a manufacturer of stationary SI internal combustion engines or equipment containing such engines?

[NA - NOT AN ENGINE MANUFACTURER]

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59175, Oct. 8, 2008; 76 FR 37973, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34360, June 29, 2021]

§ 60.4232 How long must my engines meet the emission standards if I am a manufacturer of stationary SI internal combustion engines?

[NA - NOT AN ENGINE MANUFACTURER]

Emission Standards for Owners and Operators

§ 60.4233 What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

(a) [NA - 26 HP ENGINE]

(b) [NA - NOT A GASOLINE ENGINE]

(c) [NA - DOES NOT USE LPG]

(d) [NA - EMERGENCY ENGINE]

(e) [NA - ENGINE IS LESS THAN 100 HP]

(f) [NATURAL GAS EMERGENCY ENGINE GREATER THAN 25 HP]

(1-2-3-4-5) [ENGINE NOT MODIFIED NOR RECONSTRUCTED]

(g) [NA - NOT WELLHEAD GAS ENGINE]

(h) Owners and operators of stationary SI ICE that are required to meet standards that reference 40 CFR 1048.101 must, if testing their engines in use, meet the standards in that section applicable to field testing, except as indicated in paragraph (e) of this section.

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37973, June 28, 2011]

§ 60.4234 How long must I meet the emission standards if I am an owner or operator of a stationary SI internal combustion engine?

**SECTION E. Source Group Restrictions.**

Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in § 60.4233 over the entire life of the engine.

Other Requirements for Owners and Operators

§ 60.4235 What fuel requirements must I meet if I am an owner or operator of a stationary SI gasoline fired internal combustion engine subject to this subpart?

[NA - USES NATURAL GAS FUEL]

[73 FR 3591, Jan. 18, 2008, as amended at 85 FR 78463, Dec. 4, 2020]

§ 60.4236 What is the deadline for importing or installing stationary SI ICE produced in previous model years?

(a-b-c) After July 1, 2010, owners and operators may not install stationary SI ICE with a maximum engine power of less than 500 HP that do not meet the applicable requirements in § 60.4233.

(d) In addition to the requirements specified in §§ 60.4231 and 60.4233, it is prohibited to import stationary SI ICE less than or equal to 19 KW (25 HP), stationary rich burn LPG SI ICE, and stationary gasoline SI ICE that do not meet the applicable requirements specified in paragraphs (a), (b), and (c) of this section, after the date specified in paragraph (a), (b), and (c) of this section.

(e) The requirements of this section do not apply to owners and operators of stationary SI ICE that have been modified or reconstructed, and they do not apply to engines that were removed from one existing location and reinstalled at a new location.

§ 60.4237 What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?

(a-b-c) [NA - 26 HP EMERGENCY ENGINE]

§ 60.4238 What are my compliance requirements if I am a manufacturer of stationary SI internal combustion engines =19 KW (25 HP) or a manufacturer of equipment containing such engines?

[NA - NOT ENGINE MANUFACTURER]

[86 FR 34361, June 29, 2021]

§ 60.4239 What are my compliance requirements if I am a manufacturer of stationary SI internal combustion engines >19 KW (25 HP) that use gasoline or a manufacturer of equipment containing such engines?

[NA - NOT AN ENGINE MANUFACTURER]

[86 FR 34361, June 29, 2021]

§ 60.4240 What are my compliance requirements if I am a manufacturer of stationary SI internal combustion engines >19 KW (25 HP) that are rich burn engines that use LPG or a manufacturer of equipment containing such engines?

[NA - NOT AN ENGINE MANUFACTURER];

[86 FR 34361, June 29, 2021]

§ 60.4241 What are my compliance requirements if I am a manufacturer of stationary SI internal combustion engines participating in the voluntary certification program or a manufacturer of equipment containing such engines?

(a-b-c-d-e-f) [NA - NOT AN ENGINE MANUFACTURER];

**SECTION E. Source Group Restrictions.**

(g) [NA - 26 HP EMERGENCY ENGINE]

(h) For purposes of this subpart, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

(i) For engines being certified to the voluntary certification standards in Table 1 of this subpart, the VOC measurement shall be made by following the procedures in 40 CFR part 1065, subpart C, to determine the total NMHC emissions. As an alternative, manufacturers may measure ethane, as well as methane, for excluding such levels from the total VOC measurement.

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59176, Oct. 8, 2008; 76 FR 37974, June 28, 2011; 86 FR 34361, June 29, 2021]

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4242]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What other requirements must I meet if I am a manufacturer of stationary SI internal combustion engines or equipment containing stationary SI internal combustion engines or a manufacturer of equipment containing such engines?**

[NA- NOT AN ENGINE MANUFACTURER]

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?**

§ 60.4243 What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?

(a) If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.

(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(ii-iii) [NA - 26 HP ENGINE]

(b) If you are an owner or operator of a stationary SI internal combustion engine and must comply with the emission standards specified in § 60.4233(d) or (e), you must demonstrate compliance according to one of the methods specified in paragraphs (b)(1) and (2) of this section.

(1) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

**SECTION E. Source Group Restrictions.**

(2) Purchasing a non-certified engine and demonstrating compliance with the emission standards specified in § 60.4233(d) or (e) and according to the requirements specified in § 60.4244, as applicable, and according to paragraphs (b)(2)(i) and (ii) of this section.

(i) If you are an owner or operator of a stationary SI internal combustion engine greater than 25 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance.

(ii) [NA - 26 HP ENGINE]

(c) If you are an owner or operator of a stationary SI internal combustion engine that must comply with the emission standards specified in § 60.4233(f), you must demonstrate compliance according paragraph (b)(2)(i) or (ii) of this section, except that if you comply according to paragraph (b)(2)(i) of this section, you demonstrate that your non-certified engine complies with the emission standards specified in § 60.4233(f).

(d) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (d)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (d)(1) through (3), is prohibited. If you do not operate the engine according to the requirements in paragraphs (d)(1) through (3), the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) You may operate your emergency stationary ICE for the purpose specified in paragraph (d)(2)(i) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (d)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (d)(2).

(i) Emergency stationary ICE may be operated for 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 ICE beyond 100 hours per calendar year.

(ii)–(iii) [Reserved]

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (d)(2) of this section. Except as provided in paragraph (d)(3)(i) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator;

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

**SECTION E. Source Group Restrictions.**

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

(ii) [Reserved]

(e) Owners and operators of stationary SI natural gas fired engines may operate their engines using propane for a maximum of 100 hours per year as an alternative fuel solely during emergency operations, but must keep records of such use. If propane is used for more than 100 hours per year in an engine that is not certified to the emission standards when using propane, the owners and operators are required to conduct a performance test to demonstrate compliance with the emission standards of § 60.4233.

(f) If you are an owner or operator of a stationary SI internal combustion engine that is less than or equal to 500 HP and you purchase a non-certified engine or you do not operate and maintain your certified stationary SI internal combustion engine and control device according to the manufacturer's written emission-related instructions, you are required to perform initial performance testing as indicated in this section, but you are not required to conduct subsequent performance testing unless the stationary engine undergoes rebuild, major repair or maintenance. Engine rebuilding means to overhaul an engine or to otherwise perform extensive service on the engine (or on a portion of the engine or engine system). For the purpose of this paragraph (f), perform extensive service means to disassemble the engine (or portion of the engine or engine system), inspect and/or replace many of the parts, and reassemble the engine (or portion of the engine or engine system) in such a manner that significantly increases the service life of the resultant engine.

(g) It is expected that air-to-fuel ratio controllers will be used with the operation of three-way catalysts/non-selective catalytic reduction. The AFR controller must be maintained and operated appropriately in order to ensure proper operation of the engine and control device to minimize emissions at all times.

(h) [NA - 26 HP ENGINE]

(i) If you are an owner or operator of a modified or reconstructed stationary SI internal combustion engine and must comply with the emission standards specified in § 60.4233(f), you must demonstrate compliance according to one of the methods specified in paragraphs (i)(1) or (2) of this section.

(1) Purchasing, or otherwise owning or operating, an engine certified to the emission standards in § 60.4233(f), as applicable.

(2) Conducting a performance test to demonstrate initial compliance with the emission standards according to the requirements specified in § 60.4244. The test must be conducted within 60 days after the engine commences operation after the modification or reconstruction.

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37974, June 28, 2011; 78 FR 6697, Jan. 30, 2013; 86 FR 34362, June 29, 2021; 87 FR 48606, Aug. 10, 2022]

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4244]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?**

§ 60.4244 What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?

Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of this section. REFER TO 40 CFR 60.4244 FOR DETAILS OF TESTING PROCEDURES.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4245]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary SI**

**SECTION E. Source Group Restrictions.****internal combustion engine?**

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.

(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 1048, 1054, and 1060, as applicable.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to § 60.4243(a)(2), documentation that the engine meets the emission standards.

(b) [NA - 26 HP ENGINE]

(c) [NA - 26 HP ENGINE]

(d) Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in § 60.4244 within 60 days after the test has been completed. Performance test reports using EPA Method 18, EPA Method 320, or ASTM D6348-03 (incorporated by reference—see 40 CFR 60.17) to measure VOC require reporting of all QA/QC data. For Method 18, report results from sections 8.4 and 11.1.1.4; for Method 320, report results from sections 8.6.2, 9.0, and 13.0; and for ASTM D6348-03 report results of all QA/QC procedures in Annexes 1-7.

(e) [NA - ENGINE IS LESS THAN 100 HP]

(v)-(vi) [Reserved]

(vii) Hours spent for operation for the purposes specified in § 60.4243(d)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in § 60.4243(d)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) THE FIRST ANNUAL REPORT MUST COVER THE MOST RECENT CALENDAR YEAR AND MUST BE SUBMITTED NO LATER THAN MARCH 31 OF THE FOLLOWING YEAR. SUBSEQUENT ANNUAL REPORTS FOR EACH CALENDAR YEAR MUST BE SUBMITTED NO LATER THAN MARCH 31 OF THE FOLLOWING CALENDAR YEAR.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in § 60.4.

[73 FR 3591, Jan. 18, 2008, as amended at 73 FR 59177, Oct. 8, 2008; 78 FR 6697, Jan. 30, 2013; 81 FR 59809, Aug. 30, 2016; 86 FR 34362, June 29, 2021; 87 FR 48606, Aug. 10, 2022]

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4246]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What parts of the General Provisions apply to me?**

§ 60.4246 What General Provisions and confidential information provisions apply to me?

(a) Table 3 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 that apply to you.

(b) The provisions of 40 CFR 1068.10 and 1068.11 apply for engine manufacturers.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4247]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
What parts of the mobile source provisions apply to me if I am a manufacturer of stationary SI internal combustion**

**SECTION E. Source Group Restrictions.**

engines or a manufacturer of equipment containing such engines?

§ 60.4247 [NA - NOT AN ENGINE MANUFACTURER]

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4248]

Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

What definitions apply to this subpart?

[NA - USE DEFINITIONS IN 25 PA CODE 121.1]

***** Permit Shield in Effect. *****



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

#001

All of the capacity/throughput values listed in Sections A and D are for informational purposes only and are not operating limits unless stated so in conditions in Section D or Section E.

#002

This Title V Operating Permit renewal contains the sources and conditions in operating permit 06-05065 issued May 7, 2018 and supersedes that permit.

#003

The following equipment and activities are not subject to any other specific restrictions, work practices, testing, monitoring, record keeping or reporting requirements:

- a. One (1) aboveground diesel storage tank,
- b. Two (2) sand blast booths in Source 105,
- c. Two (2) brick saws installed under an RFD dated February 23, 2009, and
- d. Fans for worker comfort.

#004

The Source 105 includes the following subsources:

- a. Sand mixing operation and associated fabric collector (C01),
- b. Shale Grinding Lines #1 and #2 and associated fabric collectors (C02 & C03),
- c. Fine Silo - Shale Grinding and associated fabric collector (C04),
- d. Colonial Brick Making Operation and associated fabric collector (C05),
- e. Wire Cut Brick Making Operation (Sand Blast & Sand Spray) and associated fabric collector (C08), and
- f. Mold Sander & Dry Saw and associated fabric collector (C10).

#005

In accordance with the modification issued April 22, 2011, the facility is a synthetic minor (area source) for HAP (see Section C, Condition #005).



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