



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**TITLE V/STATE OPERATING PERMIT**

Issue Date: November 12, 2025

Effective Date: November 12, 2025

Expiration Date: November 11, 2030

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

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

**TITLE V Permit No: 49-00033**

Federal Tax Id - Plant Code: 24-0754120-1

**Owner Information**

Name: WATSONTOWN BRICK CO  
Mailing Address: 86 PORTMAY RD  
WATSONTOWN, PA 17777-7800

**Plant Information**

Plant: WATSONTOWN BRICK CO/WATSONTOWN PLT  
Location: 49 Northumberland County 49909 Delaware Township  
SIC Code: 3251 Manufacturing - Brick And Structural Clay Tile

**Responsible Official**

Name: KEITH FREDERICK  
Title: PLANT MANAGER  
Phone: (570) 538 - 2555 Email: keith.frederick@watsonstownbrick.com

**Permit Contact Person**

Name: MICHAEL MUHN  
Title: ASST. PLANT MANAGER  
Phone: (570) 538 - 2555 Email: michael.muhn@watsonstownbrick.com

[Signature] \_\_\_\_\_

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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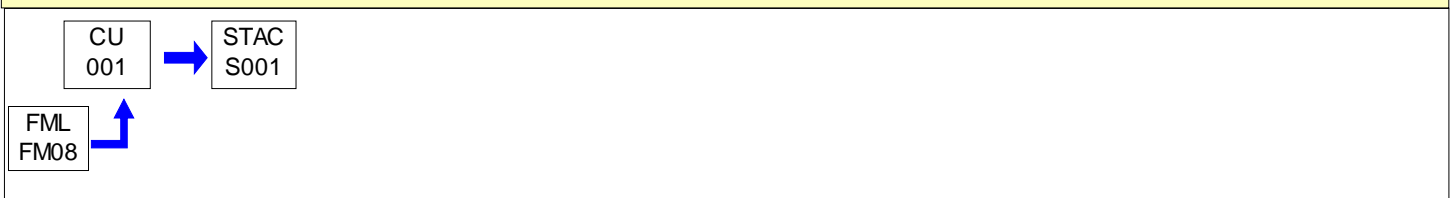
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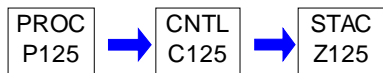
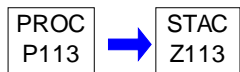
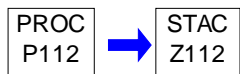
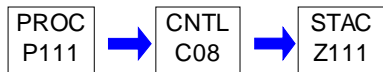
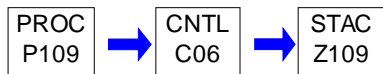
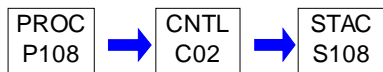
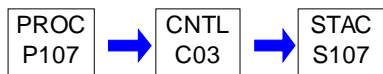
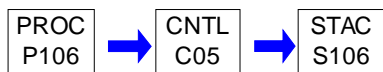
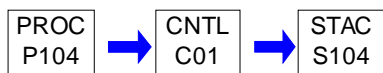
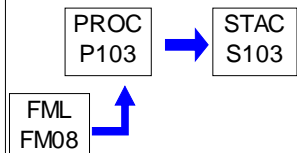
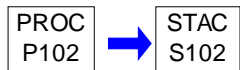
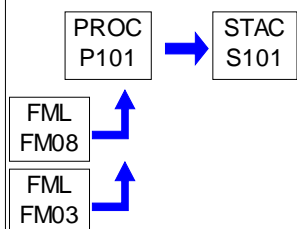
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
001	NG COMBUSTION UNITS	15.545 MMBTU/HR	
P101	BRICK KILN 1	8.390 Tons/HR	BRICK
P102	BRICK DRYER 1	8.390 Tons/HR	BRICK
P103	SAND DRYER		
P104	PRODUCTION OPERATION 1	100.000 Tons/HR	SHALE/BRICK & ADDITIVE
P106	SHAPES LINE		
P107	4 DEISTER SCREENS	200.000 Tons/HR	SHALE/CLAY
P108	GRINDING OPERATION 1	200.000 Tons/HR	SHALE/CLAY
P109	MIXING OPERATION	75.000 Tons/HR	SHALE/CLAY
P111	STORAGE PILES & ROADWAYS		
P112	SCRAP CONVEYOR	2.500 Tons/HR	SCRAP BRICK
P113	NO.2 FUEL OIL STORAGE TANK	0.010 BBL/HR	#2 FUEL OIL
P125	PRIMARY CRUSHING OPERATION		
P126	EMERGENCY GENERATOR PLANT 1		
P127	PARTS WASHER		
P201	BRICK KILN 2	9.600 Tons/HR	BRICKS
P202	BRICK DRYER 2	9.600 Tons/HR	BRICKS
P203	GRINDING OPERATION 2	200.000 Tons/HR	SHALE/CLAY
P204	PRODUCTION OPERATION 2	100.000 Tons/HR	SHALE/CLAY & ADDITIVE
P205	EMERGENCY GENERATOR PLANT 2		
P301	BRICK KILN #3		
P302	BRICK DRYER #3		
P303	BRICK PRE-HEATER		
P304	GRINDING OPERATION #3		
P305	PRODUCTION OPERATION #3		
P306	EMERGENCY GENERATOR PLANT 3		
C01	PROD. OPER. 1 FAB COLLECTOR		
C02	GRINDING OPR 1 FAB COLLECTOR		
C03	SCREENS FABRIC COLLECTOR		
C05	SHAPES LINE FABRIC COLLECTOR		
C06	WATER SPRAY FOR MCLANAHAN		
C08	WATER SPRAY FOR ROAD/STORAGE		
C125	WATER SPRAY SYSTEM		
C201A	OHLMANN INJECTION/REACTOR SYSTEM		
C201B	DUSTEX FABRIC COLLECTOR		
C203	4RL64 AMERICAN CARTRIDGE COLLECTOR		
C204D	DONALDSON TORIT COLLECTOR		
C301A	SORBENT INJECTION SYSTEM		
C301B	KILN #3 BAGHOUSE 1		
C301C	KILN #3 BAGHOUSE 2		

**SECTION A. Site Inventory List**

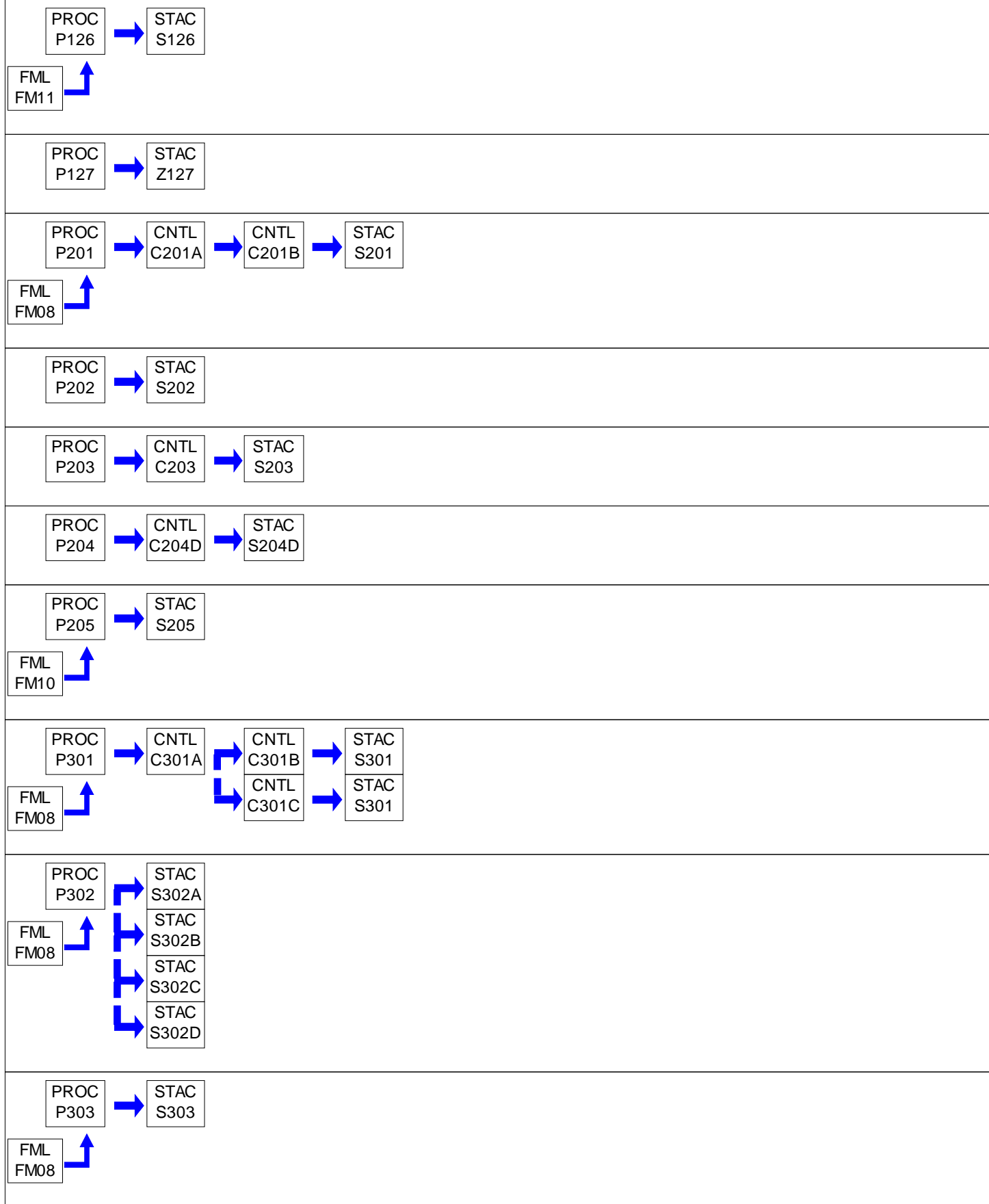
Source ID	Source Name	Capacity/Throughput	Fuel/Material
C304	DONALDSON TORIT COLLECTOR		
FM03	OIL STORAGE TANK FOR BRICK KILN		
FM08	NATURAL GAS PIPELINE		
FM10	PLANT 2 EM GEN DIESEL TANK		
FM11	PLANT 1 EM GEN DIESEL TANK		
FM12	PLT 3 EM GEN DIESEL TANK		
S001	NG COMBUSTION UNIT STACKS		
S101	BRICK KILN 1 STACK		
S102	BRICK DRYER 1 STACK		
S103	SAND DRYER STACK		
S104	PRODUCTION OPERATION 1 STACK		
S106	SHAPES LINE STACK		
S107	SCREENS STACK		
S108	GRINDING OPERATION 1 STACK		
S126	PLANT 1 GENERATOR STACK		
S201	BRICK KILN 2 STACK		
S202	BRICK DRYER 2 STACK		
S203	GRINDING OPERATION 2 STACK		
S204D	DONALDSON TORIT COLLECTOR STACK		
S205	GENERATOR 2 STACK		
S301	KILN 3 STACK		
S302A	BRICK DRYER #3 STACK A		
S302B	BRICK DRYER #3 STACK B		
S302C	BRICK DRYER #3 STACK C		
S302D	BRICK DRYER #3 STACK D		
S303	PRE-HEATER STACK		
S304	DOANLDSO TORIT STACK		
S306	GENERATOR STACK		
Z109	MCLANAHAN CRUSHER EMISS		
Z111	STORAGE & ROADWAYS EMISS		
Z112	SCRAP CONVEYOR EMISSIONS		
Z113	STORAGE TANK EMISSIONS		
Z125	FUGITIVE EMISSIONS		
Z127	PARTS WASHER EMISSIONS		

**PERMIT MAPS**

**PERMIT MAPS**



## PERMIT MAPS



**PERMIT MAPS**

PROC  
P304 → CNTL  
C304 → STAC  
S304

PROC  
P305 → CNTL  
C304 → STAC  
S304

PROC  
P306 → STAC  
S306

FML  
FM12 ↗

**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 Air Pollution Control Act (35 P.S. §§ 4001-4015).

**#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

**SECTION B. General Title V Requirements**

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 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.

**SECTION B. General Title V Requirements****#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.

**#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.

**SECTION B. General Title V Requirements****#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].

**#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.

**SECTION B. General Title V Requirements****#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.
- (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<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> 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

**SECTION B. General Title V Requirements**

oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> 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.

(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.

**SECTION B. General Title V Requirements**

(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 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](mailto: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

**SECTION B. General Title V Requirements**

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 § 127.513]****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.

**#025 [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.
- (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.

**SECTION B. General Title V Requirements****#026 [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.

**#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:

**SECTION B. General Title V Requirements**

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
  - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
- (2) The permittee shall submit any additional relevant information requested by the Department or 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.
- (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.

**SECTION B. General Title V Requirements**

(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**

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

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

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

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in condition #001(a)(1) - (a)(7) above if the emissions are visible at the point the emissions pass outside the person's property.

**# 003 [25 Pa. Code §123.41]****Limitations**

No person may permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

**# 004 [25 Pa. Code §123.42]****Exceptions**

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

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

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

[Additional authority for this operating permit condition is derived from the permittee requesting an elective restriction in order to be classified as an area MACT source]

**SECTION C. Site Level Requirements**

- (a) The total combined facility wide sulfur oxides emissions shall not equal or exceed 250 tons in any 12 consecutive month period.
- (b) The total combined facility wide emission of any individual HAP shall not equal or exceed 10 tons in any 12 consecutive month period.
- (c) The total combined facility wide emission of all HAPs shall not equal or exceed 25 tons in any 12 consecutive month period.

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

The permittee shall perform tests or provide a fuel analysis report of the percent sulfur by weight of each delivery of the #2 oil delivered to the facility. All testing shall be performed in accordance with the provisions of 25 Pa. Code Chapter 139.

OR

The permittee shall keep records of fuel analysis reports obtained yearly from the #2 fuel oil supplier stating that certifies the sulfur percentage for each shipment of fuel delivered to the facility during the year.

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

- (a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing an EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- (c) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.
- (d) Pursuant to 25 Pa. Code § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:
  - 1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
  - 2. Permit number(s) and condition(s) which are the basis for the evaluation.
  - 3. Summary of results with respect to each applicable permit condition.
  - 4. Statement of compliance or non-compliance with each applicable permit condition.
- (e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (f) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.
- (g) Pursuant to 25 Pa. Code § § 139.53(a)(1) and 139.53(a)(3), two (2) copies of all submittals, besides notifications, shall be sent to the Pennsylvania Department of Environmental Protection, Northcentral Regional Office, Air Quality Program

**SECTION C. Site Level Requirements**

Manager, 208 West Third Street, Suite 101, Williamsport PA, 17701 with deadlines verified through document postmarks.

(h) The permittee shall insure 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.

**# 008 [25 Pa. Code §139.1]****Sampling facilities.**

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

**# 009 [25 Pa. Code §139.11]****General requirements.**

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

(b) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the charging rate of raw materials or the rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (3) The location of sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.
- (7) Calculated results.

**III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.
- (2) Observers, trained and certified, to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

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

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

**SECTION C. Site Level Requirements**

(a) The permittee shall conduct a weekly inspection of the facility during daylight hours while the facility is operating to detect visible emissions, visible fugitive emissions and malodorous air emissions. Weekly inspections are necessary to determine:

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

(b) All detected visible emissions or visible fugitive emissions shall be reported to the manager of the facility.

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

The permittee shall perform monthly calculations of the sulfur oxides, individual HAP and total HAPs emissions from all sources at the facility to verify compliance with the SO<sub>x</sub> and individual and total HAP emissions limitations in any 12 consecutive month period.

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

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

(a) The permittee shall keep records of tests or fuel certification reports of the percent sulfur by weight for each delivery of the #2 oil delivered to the facility,

OR

the permittee shall keep records of fuel certification reports obtained yearly from the #2 fuel oil supplier stating that the sulfur percentage for each shipment of #2 fuel oil delivered to the facility during the year.

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

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

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

The permittee shall maintain a logbook of the weekly facility inspections and shall record instances of visible emissions, visible fugitive emissions, malodorous air emissions, the name of the company representative monitoring these instances, the date, and the time of each occurrence. The permittee shall also record the corrective action(s) taken to abate each recorded deviation or to prevent future occurrences. These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the sulfur oxides, each individual HAP and total HAP emission limitations for all sources at the facility in any 12 consecutive month period. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**# 016 [25 Pa. Code §135.5]****Recordkeeping**

(a) The permittee shall maintain records including computerized records that may be necessary to comply with 25 Pa. Code Sections 135.3 and 135.21 (relating to reporting and emissions statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the

**SECTION C. Site Level Requirements**

Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

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

**V. REPORTING REQUIREMENTS.****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall submit quarterly reports of the supporting calculations verifying compliance with the combined 12 consecutive month sulfur oxides emission limitation for all sources at the facility. The reports shall include, but are not limited to:

- (a) monthly amount of bricks (expressed in tons) produced by Source ID P101,
- (b) monthly amount (expressed in tons) of clay and/or shale (from each separate source of clay and/or shale) processed through Source ID P101,
- (c) representative quarterly material composition analyses identifying the percentage (by weight) of fluorine, chlorine and sulfur contained in the clay and/or shale used by the brick making facility for each separate source of clay and/or shale,
- (d) amount of #2 fuel oil consumed by Source ID P101 each month, and
- (e) supporting calculations verifying compliance with the individual and total facility wide HAP emission limitations.

The quarterly reports shall be submitted to the Department no later than 60 days following the respective calendar quarter (reports due on March 1, June 1, September 1 and December 1).

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

(a) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in Condition #026 of Section B, General Title V Requirements, no later than September 1 (from July of the previous year through June of the current year).

(b) The permittee shall submit the semiannual reports of required monitoring to the Department, as specified in Condition #025 of Section B, General Title V Requirements, no later than September 1 (for January through June) and March 1 (for July through December of the previous year).

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

Upon request by the Department, the permittee shall submit all requested reports in accordance with the Department's suggested format.

**# 020 [25 Pa. Code §127.442]****Reporting requirements.**

(a) The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

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

(c) When the malfunction, excess emissions or deviation from this operating permit requirements poses an imminent danger to the public health, safety, welfare, or environment shall be reported by telephone to the Department and the County Emergency Management Agency within one (1) hour after the incident. The owner or operator shall submit a written

**SECTION C. Site Level Requirements**

report of instances of such incidents to the Department within three (3) business days of the telephone report.

(d) Except as reported to the Department in accordance with 25 Pa. Code Chapter 139 and the Department's Continuous Source Monitoring Manual, any malfunction or excess emissions that is not subject to the notice requirements of subsection (c) of this operating permit condition shall be reported to the Department within 24 hours of discovery or the next business day. In notifying the Department, the permittee shall describe the following:

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

(e) The permittee shall notify the Department within 24 hours, or the next business day, when corrective measures have been accomplished.

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

**# 021 [25 Pa. Code §135.3]****Reporting**

(a) A person who owns or operates a source to which 25 Pa. Code Chapter 135 applies, and who has previously been advised by the Department to submit an annual Air Information Management Systems (AIMS) report, shall submit by March 1 of each year an annual AIMS report for the preceding calendar year. The report shall include information for all 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.

(b) A person who receives initial notification by the Department that an annual AIMS report is necessary shall submit an initial annual AIMS report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

(c) A source owner or operator may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

**VI. WORK PRACTICE REQUIREMENTS.****# 022 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions for any source specified in 25 Pa Code Section 123.1(a)(1-9) to prevent particulate matter from becoming airborne. These actions shall include, but not limited to, the following:

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

**SECTION C. Site Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 023 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

**# 024 [25 Pa. Code §123.31]****Limitations**

No person may permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

**# 025 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

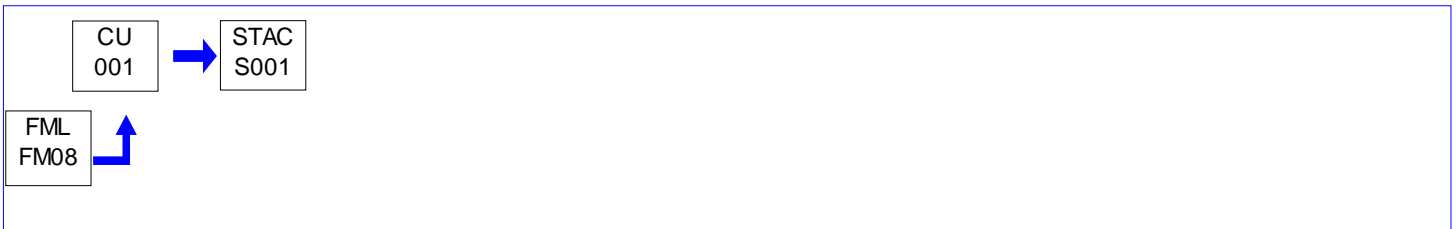
**\*\*\* Permit Shield In Effect \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 001

Source Name: NG COMBUSTION UNITS

Source Capacity/Throughput: 15.545 MMBTU/HR

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision in 40 CFR 52.2020(c)]

No person may permit the emission into the outdoor atmosphere of sulfur oxides (SO<sub>x</sub>), expressed as SO<sub>2</sub>, from each unit of Source ID 001 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period in accordance with 25 Pa. Code Section 123.22(a)(1).

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID 001 shall only be fired on natural gas.

**II. TESTING REQUIREMENTS.**

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

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

Source ID 001 consists of the following natural gas unit fired heaters:

- (a) One (1) Plant 1 Pug Mill Water Heaters rated at 0.6 MMBtu/hr each
- (b) One (1) Plant 1 Pug Mill Water Heaters rated at 0.715 MMBtu/hr each
- (c) Five (5) Plant 1 Production Building Space Heaters rated at 0.4 MMBtu/hr each
- (d) Two (2) Plant 1 Grinding Building Space Heaters rated at 0.4 MMBtu/hr each
- (e) Four (4) Sand House Building Space Heaters rated at 0.4 MMBtu/hr each
- (f) Three (3) Saw Room Building Space Heaters rated at 0.4 MMBTU/hr each
- (g) Two (2) Plant 2 Pug Mill Water Heaters rated at 0.715 MMBtu/hr each
- (h) Five (5) Plant 2 Production Building Space Heaters rated at 0.4 MMBtu/hr each
- (i) Two (2) Plant 2 Grinding Building Space Heaters rated at 0.4 MMBtu/hr each
- (j) Two (2) Plant 3 Pug Mill Water Heaters rated at 0.6 MMBtu/hr each
- (k) Four (4) Plant 3 Production and Grinding Building Space Heaters rated at 0.4 MMBtu/hr each
- (l) Eight (8) Quarry Shed Feed Hopper Apron and Crusher Radiant Heaters rated at 0.2 MMBTU/hr each.

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

**SECTION D. Source Level Requirements**

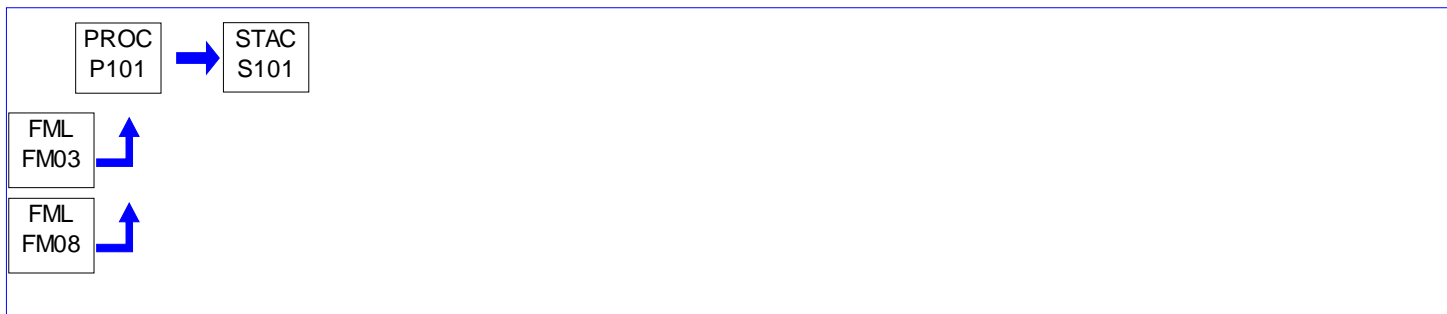
Source ID: P101

Source Name: BRICK KILN 1

Source Capacity/Throughput:

8.390 Tons/HR

BRICK

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

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust associated with Source ID P101 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from the exhaust of Source ID P101 in a manner that the concentration of the sulfur oxides 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 gas (natural or L.P.) or no. 2 fuel oil in Source ID P101. Additionally, Source ID P101 shall not fire any no. 2 fuel oil to which waste or reclaimed oil or waste solvents has been added.

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

The permittee shall, upon Department request, provide fuel analyses, fuel samples, clay analyses, clay samples, etc. used in Source ID P101 to produce bricks.

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

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

The permittee shall keep records of the calculations used to verify compliance with the sulfur oxides and particulate matter emission limitations for Source ID P101. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**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.**

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P101 is a natural gas/No. 2 fuel oil fired tunnel kiln having a heat input capacity of 21.35 MMBtu/hr.

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

**SECTION D. Source Level Requirements**

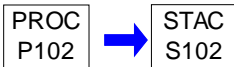
Source ID: P102

Source Name: BRICK DRYER 1

Source Capacity/Throughput:

8.390 Tons/HR

BRICK

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

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust associated with Source ID P102 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from the exhaust of Source ID P102 in a manner that the concentration of the sulfur oxides 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).

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

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

The permittee shall keep records of the calculations used to verify compliance with the sulfur oxides and particulate matter emission limitations for Source ID P102. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this 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).

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P102 is a Lingl brick dryer that uses waste heat from the brick kiln (Source ID P101). Source ID P102 has a maximum throughput of 73,500 tons per year of brick.

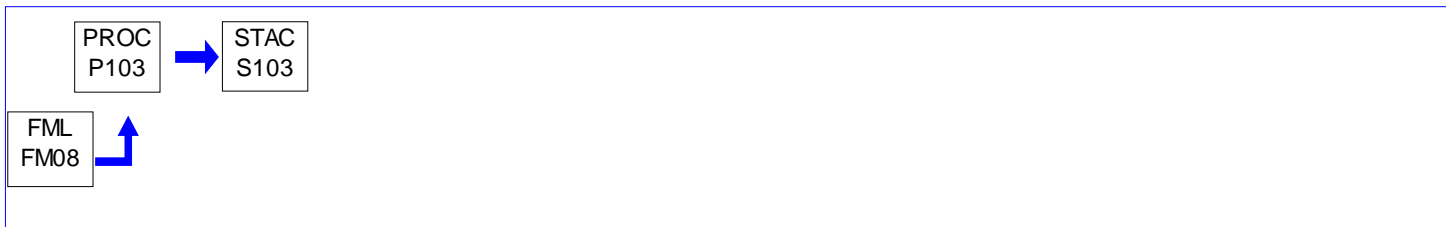
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: SAND DRYER

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust associated with Source ID P103 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from the exhaust of Source ID P103 in a manner that the concentration of the sulfur oxides 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.**

Source ID P103 shall only be fired on natural gas.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (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.**

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

The permittee shall keep records of the calculations used to verify compliance with the sulfur oxides and particulate matter emission limitations for Source ID P103. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this 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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P103 is a Basic 10 MMBtu/hr natural gas fired rotary sand dryer. The particulate matter emissions from the material handling activities are controlled by a Optiflo dust collector that exhausts indoors within the sand house building..

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

**SECTION D. Source Level Requirements**

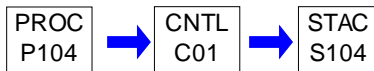
Source ID: P104

Source Name: PRODUCTION OPERATION 1

Source Capacity/Throughput:

100.000 Tons/HR

SHALE/BRICK &amp; ADDITIVES

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from ID C01 associated with Source ID P104 in a manner that the concentration in the effluent gas exceeds 0.04 grains 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 §127.441]

**Operating permit terms and conditions.**

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

The permittee shall keep records of the calculations used to verify compliance with the particulate matter emission limitation for Source ID P104. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the fabric collector (ID C01) associated with Source ID P104 in order to immediately replace any bags requiring replacement.

**VII. ADDITIONAL REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P104 consists of a 50 ton capacity soda ash silo and a 100 tons per hour pug mill and brick surface coater. The particulate matter emissions from Source ID P104 shall be controlled by a Northern Blower Co. model 156-10A type BA-12 fabric collector (ID C01).

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

During those periods of time when the fabric bags in ID C01 associated with Source ID P104 are being shaken Source ID P104 may not be operated.

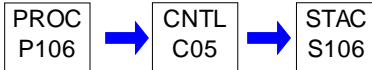
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P106

Source Name: SHAPES LINE

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust of control device ID C05 associated with Source ID P106 in a manner that the concentration in the effluent gas exceeds 0.04 grains 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 §127.441]

**Operating permit terms and conditions.**

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

The permittee shall keep records of the calculations used to verify compliance with the particulate matter emission limitation for Source ID P106. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this 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.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P106 is a shapes line with a maximum throughput of 1,181 tons per year of brick. The particulate matter emissions from Source ID P106 shall be controlled by a Filtrex/Steelcraft Corporation 1925 G fabric collector (ID C05).

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

**SECTION D. Source Level Requirements**

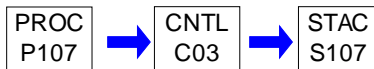
Source ID: P107

Source Name: 4 DEISTER SCREENS

Source Capacity/Throughput:

200.000 Tons/HR

SHALE/CLAY

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Standard for particulate matter.**

[Compliance with the requirements specified in this streamlined permit condition assures compliance with the provisions in 25 Pa. Code Sections 123.13 and 123.41 for particulate emissions and visible emissions, respectively]

(a) The permittee shall comply, for screen #4 of Source ID P107, with all the applicable standards for particulate matter emissions as specified in 40 CFR Section 60.672.

(b) In accordance with 40 CFR Section 60.672(a), the permittee shall not cause to be discharged into the atmosphere from the exhaust of ID C03 associated with screen #4 of Source ID P107 any emissions which contain particulate matter in excess of 0.05 grams per dry standard cubic meter.

(c) In accordance with 40 CFR Section 60.672(a), the permittee shall not cause to be discharged into the atmosphere from the exhaust of ID C03 associated with screen #4 of Source ID P107 any emissions which exhibit greater than 7 percent opacity.

**II. TESTING REQUIREMENTS.****# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Test methods and procedures.**

The permittee shall comply, for screen #4 of Source ID P107, with all the applicable test methods and procedures as specified in 40 CFR Section 60.675.

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

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

The permittee shall keep records of the calculations used to verify compliance with the particulate matter emission limitation for the exhaust of ID C03 associated with Source ID P107. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 60.4]

The submission of all requests, reports, application submittals, and other communications required by the Standards of Performance for New Stationary Sources (Nonmetallic Mineral Processing Plants, 40 CFR Part 60 Sections 60.670 - 60.676) must be made to both the U.S. Environmental Protection Agency and the Pennsylvania Department of Environmental Protection. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

and

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

Each owner or operator seeking to comply with §60.670(d) shall submit to the Administrator the following information about the existing facility being replaced and the replacement piece of equipment

For a screening operation:

(i) The total surface area of the top screen of the existing screening operation being replaced and

(ii) The total surface area of the top screen of the replacement screening operation.

**VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for ID C03 associated with Source ID P107 in order to immediately replace any bags requiring replacement.

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

Source ID P107 consists of four (4) deister screens (also referred to as screen #1, #2, #3, and #4) with a throughput of 200 tons per hour of ground shale and clay. The particulate matter emissions from Source ID P107 shall be controlled by a Johnson March STH-10-7 fabric collector (ID C03).

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

Screen #4 (Deister model DC-1800 rotary vibrator style) of Source ID P107 is subject to 40 CFR Part 60, Subpart 000. The permittee shall comply with all applicable requirements specified in 40 CFR Part 60, Sections 60.670 through 60.676.

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

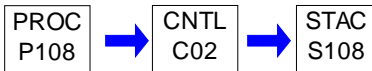
**SECTION D. Source Level Requirements**

Source ID: P108

Source Name: GRINDING OPERATION 1

Source Capacity/Throughput: 200.000 Tons/HR SHALE/CLAY

Conditions for this source occur in the following groups: PRESSURE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Standard for particulate matter.**

[Compliance with the requirements specified in this streamlined permit condition assures compliance with the provisions in 25 Pa. Code Sections 123.13 and 123.41 for particulate emissions and visible emissions, respectively]

(a) In accordance with 40 CFR Section 60.672(a), the permittee shall not cause to be discharged into the atmosphere from the exhaust of ID C02 associated with the Stedman impact mill of Source ID P108 any emissions which contain particulate matter in excess of 0.05 grams per dry standard cubic meter.

(b) In accordance with 40 CFR Section 60.672(a), the permittee shall not cause to be discharged into the atmosphere from the exhaust of ID C02 associated with the Stedman impact mill of Source ID P108 any emissions which exhibit greater than 7 percent opacity.

**II. TESTING REQUIREMENTS.****# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Test methods and procedures.**

The permittee shall comply with all applicable requirements specified in 40 CFR Part 60 Section 60.675.

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

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

The fabric collector (ID C02) associated with Source ID P108 shall be equipped with a pressure differential gauge to monitor the pressure drop across the collector bags.

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

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

The permittee shall keep records of supporting calculations and/or stack test results to verify compliance with the particulate matter emission limitation for ID C02 associated with Source ID P108. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

**SECTION D. Source Level Requirements**

The differential pressure across the fabric collector (ID C02) associated with Source ID P108 shall be recorded at least once per day. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]**

**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants**  
**Reporting and recordkeeping.**

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

The permittee shall keep records of the results of any performance tests conducted on ID C02 associated with Source ID P108 to demonstrate compliance with the standards of 40 CFR Part 60 Section 60.672. These records shall be maintained for a minimum of five (5) years and be presented to the Department upon request.

**V. REPORTING REQUIREMENTS.**

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]**

**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants**  
**Reporting and recordkeeping.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 60.4]

The submission of all requests, reports, application submittals, and other communications required by the Standards of Performance for New Stationary Sources (Nonmetallic Mineral Processing Plants, 40 CFR Sections 60.670-60.676) must be made to both the U.S. Environmental Protection Agency and the Pennsylvania Department of Environmental Protection. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

and

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]**

**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants**  
**Reporting and recordkeeping.**

Each owner or operator seeking to comply with §60.670(d) shall submit to the Administrator the following information about the existing facility being replaced and the replacement piece of equipment.

For a conveyor belt:

- (i) The width of the existing belt being replaced and
- (ii) The width of the replacement conveyor belt.

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

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

The permittee shall not operate Source ID P108 without the simultaneous operation of the fabric collector (ID C02) associated with Source ID P108.

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

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the fabric collector (ID C02) associated with Source ID P108 in order to be able to immediately replace any bags requiring replacement.

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

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

The air compressor supplying the compressed air used to clean the fabric bags in fabric collector ID C02 shall be equipped with an air dryer and an oil trap.

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

Source ID P108 consists of a 75 ton capacity shale silo, a Stedman impact mill (model 4230), and conveyor belt system (including a feed hopper, a 30" x 145' Artech belt conveyor and a 30" x 92' Artech belt conveyor) with a throughput of 200 tons per hour. The particulate matter emissions from Source ID P108 shall be controlled by a Nor-Blo/Scientific SPJ-121-4T81 fabric collector (ID C02).

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

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

The 30" x 145' Artech belt conveyor and the 30" x 92' Artech belt conveyor of Source ID P108 shall be completely covered unless otherwise completely enclosed in a building.

**# 014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

The Stedman impact mill, the feed hopper, the 30" x 145' Artech belt conveyor and the 30" x 92' Artech belt conveyor of Source ID P108 are subject to 40 CFR Part 60, Subpart OOO 60.670 through 60.676. However, the feed hopper, the 30" x 145' Artech belt conveyor and the 30" x 92' Artech belt conveyor of Source ID P108 are not subject to the emission limitations in 40 CFR Section 60.672. The permittee shall comply with all applicable requirements specified in 40 CFR Part 60, Sections 60.670 through 60.676.

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

**SECTION D. Source Level Requirements**

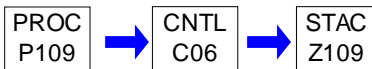
Source ID: P109

Source Name: MIXING OPERATION

Source Capacity/Throughput:

75.000 Tons/HR

SHALE/CLAY

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Standard for particulate matter.**

The equipment of Source ID P109 subject to 40 CFR Part 60 Subpart OOO shall not have visible emissions in excess of 10 percent opacity during operation.

**II. TESTING REQUIREMENTS.****# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Test methods and procedures.**

In determining compliance with the particulate matter standards in §60.672(b), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in §60.11, with the following additions:

- (i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
- (ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.
- (iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

**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.****# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 60.4]

The submission of all requests, reports, application submittals, and other communications required by the Standards of Performance for New Stationary Sources (Nonmetallic Mineral Processing Plants, 40 CFR Sections 60.670-60.676) must

**SECTION D. Source Level Requirements**

be made to both the U.S Environmental Protection Agency and the Pennsylvania Department of Environmental Protection. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

and

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

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

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

The water spray dust suppression system (ID C06) shall be operated on any and all occasions that the McLanahan roll crusher of Source ID P109 is operated, except in those unusual instances where conditions are such that operation of the crusher without the simultaneous operation of ID C06 can take place without creating air contaminants in excess of any emission limitation for the crusher or any applicable site level requirement specified in this operating permit. If however, ID C06 is incapable of operation due to weather conditions or any other reason, the crusher may not be operated at all.

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

[Additional authority for this permit condition is derived from 40 CFR Section 60.670]

Source ID P109 is subject to 40 CFR Part 60, Subpart OOO. However, the McLanahan roll crusher of Source ID P109 is not subject to the emission limitations in 40 CFR Section 60.672. The permittee shall comply with all the applicable requirements specified in 40 CFR Sections 60.670-60.676.

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

Source ID P109 is a mixing operation comprised of:

- (a) 24" x 36" McLanahan roll crusher
- (b) feed hopper
- (c) 30" x 48' Artech belt conveyor
- (d) 30" x 70' Artech belt conveyor
- (e) 30" x 58' Artech belt conveyor

The particulate matter emissions from the McLanahan roll crusher shall be controlled by a water spray dust suppression system (ID C06).

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

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

**SECTION D. Source Level Requirements**

All conveyors of Source ID P109 shall be completely covered unless otherwise completely enclosed in a building.

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

**SECTION D. Source Level Requirements**

Source ID: P111

Source Name: STORAGE PILES &amp; ROADWAYS

Source Capacity/Throughput:

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

The permittee shall make use of such equipment and materials as are necessary to take reasonable action (including but not necessarily limited to the application of water, oil, or chemicals) to prevent fugitive particulate matter resulting from the use of any roadways and/or material stockpiling operations associated with Source ID P111 from becoming airborne shall be available at all times and shall be used, as necessary, to prevent such fugitive particulate matter from becoming airborne.

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

Source ID P111 consists of various paved and unpaved roads and shale/clay storage piles. The particulate emissions from Source ID P111 shall be controlled by a water spray dust suppression system (ID C08).

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

**SECTION D. Source Level Requirements**

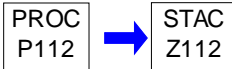
Source ID: P112

Source Name: SCRAP CONVEYOR

Source Capacity/Throughput:

2.500 Tons/HR

SCRAP BRICK

**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 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P112 is a scrap conveyor used to transport rejected brick material to the exterior of the building.

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

**SECTION D. Source Level Requirements**

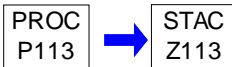
Source ID: P113

Source Name: NO.2 FUEL OIL STORAGE TANK

Source Capacity/Throughput:

0.010 BBL/HR

#2 FUEL OIL

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

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

The permittee shall keep records of the vapor pressure of the contents of Source ID P113. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this 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.****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P113 is a 7,500 gallon No. 2 fuel oil tank for use in the kiln.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.57]

The permittee shall not store, in Source ID P113, any material containing volatile organic compounds which has a vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions.

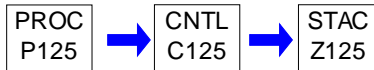
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P125

Source Name: PRIMARY CRUSHING OPERATION

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Standard for particulate matter.**

(a) In accordance with 40 CFR Section 60.672(b), the permittee shall not cause to be discharged into the atmosphere from the crusher of Source ID P125 any emissions which exhibit greater than 15 percent opacity.

(c) In accordance with 40 CFR Section 60.672(b), the permittee shall not cause to be discharged into the atmosphere from the transfer points of the conveyors or the pan feeder of of Source ID P125 any emissions which exhibit greater than 10 percent opacity.

**Operation Hours Restriction(s).****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P125 shall not be operated in excess of 3,000 hours in any 12 consecutive month period.

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

The permittee shall keep records of the following information for Source ID P125:

(a) The total hours Source ID P125 is operated each month and the supporting calculations to verify compliance with the operating hours limitation for Source ID P125 in any 12 consecutive month period.

(b) The total amount of shale and brick batts processed through Source ID P125 each month.

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

**V. REPORTING REQUIREMENTS.****# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 60.4]

The submission of all requests, reports, application submittals, and other communications required by the Standards of Performance for New Stationary Sources (Nonmetallic Mineral Processing Plants, 40 CFR Sections 60.670-60.676) must be made to both the U.S Environmental Protection Agency and the Pennsylvania Department of Environmental Protection. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

and

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

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

Source ID P125 consists of a 660 ton per hour Metso Nordberg model NP-1415 impact crusher, a 20' vibrating pan feeder, and a 48" X 28' discharge conveyor.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P125 shall be equipped with a water spray dust suppression system (ID C125) to control particulate matter emissions from Source ID P125. The water spray dust suppression system shall be operated on any and all occasions that Source ID P125 is operated. Operation without simultaneous operation of the water spray dust suppression system can take place only in those unusual instances where processed materials contain sufficient moisture so as not to create air contaminant emissions in excess of the limitations specified in 25 Pa. Code Section 123.1. If, however, the water spray dust suppression system is incapable of operation due to weather conditions or any other reason, the permittee may not operate Source ID P125.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the discharge conveyor of Source ID P125 shall be completely covered to its discharge point to control fugitive particulate matter emissions.

**# 008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

Source ID P125 is subject to 40 CFR Part 60 Subpart OOO Sections 60.670 - 60.676. The permittee shall comply with all applicable requirements of that subpart.

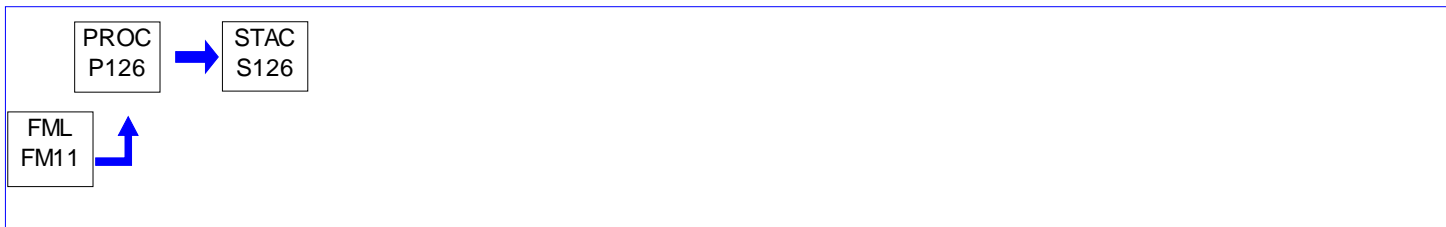
\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P126

Source Name: EMERGENCY GENERATOR PLANT 1

Source Capacity/Throughput:

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

[Additional authority for this operating permit condition is also derived from 25 Pa. Code Section 127.1 and 127.12][Compliance with this operating permit requirement assures compliance with the provisions of 40 CFR Part 60 Section 60.4205]

The permittee shall meet the following emission limitations for Source ID P126

NO<sub>x</sub> – 6.9 g/bhp-hr

PM- 0.4 g/bhp-hr

CO – 2.0 g/bhp-hr

THC – 1.0 g/bhp-hr

**Fuel Restriction(s).****# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

Owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) {15 ppm sulfur content max} for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

**Operation Hours Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P126 shall not be operated in excess of 500 hours in any 12 consecutive month period.

**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).

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records on a monthly basis of the number of hours that Source ID P126 is operated each month and the corresponding 12 consecutive month rolling total to verify compliance with the operating hours restriction. These records shall be retained for a minimum of five (5) years and presented to the Department upon request.

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

Source ID P126 is a John Deere model 6068HF285 diesel emergency generator rated at 237 horsepower.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****Am I subject to this subpart?**

Source ID P126 is subject to 40 CFR Part 60 Subpart IIII Sections 60.4200 - 60.4219. The permittee shall comply with all applicable requirements of 40 CFR Part 60 Sections 60.4200 - 60.4219.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. You must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) Not Applicable

(c) Completed

(d) Not Applicable

(e) Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone 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 year. For owners and operators of emergency engines meeting standards under §60.4205 but not §60.4204, any operation other than emergency operation, and maintenance and testing as permitted in this section, is prohibited.

**SECTION D. Source Level Requirements**

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**

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

**Am I subject to this subpart?**

Source ID P126 is subject to 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, Sections 63.6580 - 63.6675. Source ID P306126 shall meet the requirements of this part by meeting the requirements of 40 CFR Part 60 Subpart IIII, for compression ignition engines. No further requirements apply for such engines under 40 CFR Part 63 Subpart ZZZZ.

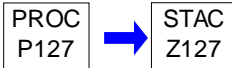
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P127

Source Name: PARTS WASHER

Source Capacity/Throughput:

**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.****# 001 [25 Pa. Code §129.63]****Degreasing operations**

A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the information specified in 25 Pa. Code Section 129.63(a)(5). 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.

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

- (1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.
- (2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:
  - (i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3). In addition, the label shall include the following 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 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 degreaser unit.

**SECTION D. Source Level Requirements**

(ii) 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 6 inches shall constitute an acceptable cover.

(3) Cold cleaning machines shall be operated in accordance with the following procedures:

(i) 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.

(ii) 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.

(iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.

(iv) Air agitated solvent baths may not be used.

(v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

**VII. ADDITIONAL REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P127 is a 15 gallon wash sink Safety Kleen Model 30 manual solvents parts washer.

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

**SECTION D. Source Level Requirements**

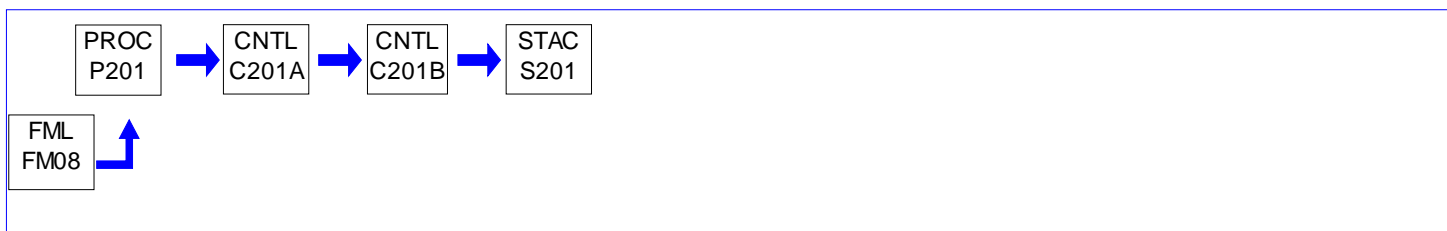
Source ID: P201

Source Name: BRICK KILN 2

Source Capacity/Throughput:

9.600 Tons/HR

BRICKS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from the exhaust of ID C201B associated with Source ID P201 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

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

The emission of air contaminants from Source ID 201 shall not exceed the following hourly and annual limits:

	hourly emissions (pounds per hour)	annual emissions (total tons during any 12 consecutive month period)
particulate matter	1.40	6.12
volatile organic compounds	.23	1.00
hydrogen fluoride	.49	2.15
hydrogen chloride	.18	.77
hazardous air pollutants (total combined)	.72	3.15
sulfur oxides	21.7	94.9
nitrogen oxides (expressed as NO <sub>2</sub> )	3.35	14.7
carbon monoxide	11.5	50.4

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12][Compliance with this streamlined permit condition assures compliance with the provisions of 25 Pa. Code Section 123.13]

The particulate matter concentration contained in the exhaust of the Dustex fabric collector (ID C201B) shall not exceed .01 grains per dry standard cubic foot.

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

1. During the term of this operating permit, the permittee shall perform testing on Source ID P201 to demonstrate compliance with the outlet mass emission rate (pounds per hour) requirements for SO<sub>x</sub>, HCl, HF, PM, CO and NO<sub>x</sub>.

**SECTION D. Source Level Requirements**

2. This testing shall be performed while Source ID P201 is operating at maximum production rate and while using raw materials that contain the highest concentrations of fluorine, chlorine and sulfur that will be used in Source ID P201. This testing shall be performed using test methods and procedures deemed acceptable by the Department.

3. All testing performed pursuant to this condition shall be performed in accordance with all applicable requirements specified in 25 Pa. Code Chapter 139 and the Testing Requirements specified in Section C of this Title V operating permit.

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

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

Control device ID C201B associated with Source ID P201 shall be equipped with instrumentation to continuously monitor the differential pressure across the collector.

**# 006 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]****Sections of PART 64****Monitoring design criteria**

(a) The permittee shall use the pressure drop across ID C201B and opacity readings from the exhaust associated with ID C201B and the chemical feed rate to control device ID C201A to obtain data and monitor the performance of control device IDs C201A and C201B.

(b) The permittee shall use the pressure drop gauge installed on control device ID C201B and EPA Method 9 readings to measure the pressure drop and visible emissions.

(c) The permittee shall continuously monitor the chemical feed rate to control device ID C201A, the pressure drop across ID C201B and conduct daily Method 9 readings from the exhaust of ID C201B.

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

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

The permittee shall record the differential pressure across control device ID C201B associated with Source ID P201 at least once per day. These records shall be retained for a minimum of 5 years and be made available to the Department upon request.

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

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

The permittee shall keep records of the following supporting calculations/documentation/testing used to verify compliance with the hourly emission limitations for Source ID P201. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

The permittee shall keep records of the supporting calculations/documentation/testing used to verify compliance with the 12 consecutive month emission limitations for Source ID P201. These records shall include, but are not limited to:

(a) monthly amount of bricks (expressed in tons) produced by Source ID P201,

(b) monthly amount (expressed in tons) of clay and/or shale (from each separate source of clay and/or shale) processed

**SECTION D. Source Level Requirements**

through Source ID P201, and

(c) representative quarterly material composition analyses identifying the percentage (by weight) of fluorine, chlorine and sulfur contained in the clay and/or shale used by the brick making facility for each separate source of clay and/or shale.

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

**# 010 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]****Sections of PART 64****Reporting and recordkeeping requirements**

(a) The permittee shall record the chemical feed rate to control device ID C201A, the pressure drop across ID C201B and the presence of any opacity from the exhaust of ID C201B on a daily basis.

(b) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective action has been taken.

(c) The permittee shall record all inspections, repair and maintenance performed on the monitoring equipment.

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero and span or other calibration checks). The permittee shall also record the dates, times, and durations, possible causes and corrective actions taken for the incidents.

(e) The permittee shall keep all records for a period of five (5) years and make the records available to the Department upon request.

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

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

The permittee shall submit quarterly reports of the supporting calculations/documentation/testing verifying compliance with the 12 consecutive month emission limitations for Source ID P201. These reports shall include, but are not limited to:

(a) monthly amount of bricks (expressed in tons) produced by Source ID P201,

(b) monthly amount (expressed in tons) of clay and/or shale (from each separate source of clay and/or shale) processed through Source ID P201, and

(c) representative quarterly material composition analyses identifying the percentage (by weight) of fluorine, chlorine and sulfur contained in the clay and/or shale used by the brick making facility for each separate source of clay and/or shale.

The quarterly reports shall be submitted to the Department no later than the 30th day following the respective calendar quarter (reports due on January 30, April 30, July 30 and October 30).

**# 012 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]****Sections of PART 64****Reporting and recordkeeping requirements**

1. The permittee shall report all excursions and corrective actions taken, their dates, times, durations, and possible causes on a semi annual basis.

2. The permittee shall report all monitoring downtime incidents (other than those associated with zero and span or other calibration checks) their dates, times, durations, and possible causes on a semi annual basis.

3. These reports shall be submitted to the Department no later than March 1 and September 1 each year.

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall keep on hand a sufficient quantity of spare bags for the Dustex fabric collector (ID C201B) in order to be able to immediately replace any bags requiring replacement.

**# 014 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

(a) The permittee shall adhere to a range of 1" – 5" of water column for pressure drop across ID C201B so that operation within that range shall provide a reasonable assurance of compliance. A departure from the specified range at any time shall be defined as an excursion.

(b) The permittee shall adhere to a range of 0% – 5% opacity from the exhaust of ID C201B so that operation within that range shall provide a reasonable assurance of compliance. A departure from the specified range at any time shall be defined as an excursion.

(c) The permittee shall adhere to having a chemical feed rate of no less than 130 pounds per hour to ID C201A so that operation at that rate shall provide a reasonable assurance of compliance. A departure from the specified range at any time shall be defined as an excursion.

(d) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the pressure drop gauge installed on ID C201B.

(e) The permittee shall calibrate and check the accuracy of the pressure drop gauge taking into account manufacturer's specifications at least annually.

(f) The permittee shall calibrate and verify the relationship between augur speed and chemical feed rate at least annually

(g) The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.

(h) The permittee shall ensure at least 90% of the monitoring data has been properly and accurately collected.

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

Source ID P201 is a natural gas fired Hans Lingl GmbH tunnel kiln with a rated heat input capacity of 23 MMBtu/hr. The air contaminant emissions from Source ID P201 shall be controlled by a dry scrubber system comprised of a single stage (sodium bicarbonate) Ohlmann injection/reactor system (ID C201A) and a model 3630-14-40 Dustex fabric collector (ID C201B) connected in series.

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

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

The air compressor(s) associated with the Dustex fabric collector (ID C201B) shall be equipped with an air dryer and an oil trap.

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

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

None of the particulate matter collected by the Dustex fabric collector (ID C201B) shall be used as a raw material for the production of bricks.

**SECTION D. Source Level Requirements****# 018 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The feed rate of sodium bicarbonate to the dry scrubber system (ID C201A) shall not be less than 130 pounds per hour whenever ID C201A is operating unless the permittee can demonstrate, to the satisfaction of the Department, that ID C201A can control the kiln's (Source ID P201) air contaminant emissions such that the emissions will not exceed the limitations specified for Source ID P201. The permittee shall first obtain approval from the Department prior to lowering the feed rates.

**# 019 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.8]****Sections of PART 64****Quality improvement plan (QIP) requirements**

1. The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occur:

- a. For properly and accurately collected data, accumulated excursions exceed five percent (5%) of the data for opacity,
- b. Six excursions occur in a six month reporting period, and
- c. the Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

2. In general, the QIP plan should be developed within 60 days and 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 improvement contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

3. The permittee shall record 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.

4. The QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- a. improved preventative maintenance
- b. process operation change
- c. appropriate improvements to control methods, and
- d. other steps appropriate to correct performance

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

- a. address the cause of the control device performance problem, or
- b. provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

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

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

**SECTION D. Source Level Requirements**

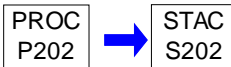
Source ID: P202

Source Name: BRICK DRYER 2

Source Capacity/Throughput:

9.600 Tons/HR

BRICKS

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

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust of Source ID P202 in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from the exhaust of Source ID P202 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

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

The emission of VOCs from Source ID P202 shall not exceed 0.29 pounds per hour and 1.26 tons in any 12 consecutive month period.

**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.**

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

The permittee shall keep records of the supporting calculations used to verify compliance with the sulfur oxides and particulate matter emission limitations for Source ID P202. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the 12 consecutive month VOC emission limitation for Source ID P202. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

The permittee shall submit an annual report of the supporting calculations verifying compliance with the 12 consecutive month VOC emission limit for Source ID P202. This report shall be submitted to the Department no later than March 1 for the previous year.

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

Source ID P202 is brick dryer #2 that uses waste heat from brick kiln #2 (Source ID P201).

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

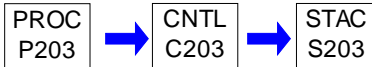
**SECTION D. Source Level Requirements**

Source ID: P203

Source Name: GRINDING OPERATION 2

Source Capacity/Throughput: 200.000 Tons/HR SHALE/CLAY

Conditions for this source occur in the following groups: PRESSURE

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

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

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provisions in 40 CFR Section 60.672(a) and 25 Pa. Code Section 123.13]

The particulate matter concentration contained in the exhaust of the American Air Filter cartridge collector (ID C203) shall not exceed .01 grains per dry standard cubic foot.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Standard for particulate matter.**

[Additional authority for this permit condition is derived from 40 CFR Section 60.672(a)]

[Compliance with the requirements specified in this streamlined permit condition assures compliance with the provisions in 25 Pa. Code Section 123.41]

The permittee shall not cause to be discharged into the atmosphere from the exhaust of ID C203 associated with Source ID P203 any emissions which exhibit greater than 7 percent opacity.

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

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

The American Air Filter cartridge collector (ID C203) associated with Source ID P203 shall be equipped with instrumentation to continuously monitor the differential pressure across the collector.

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

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

The differential pressure across the American Air Filter cartridge collector (ID C203) shall be recorded at least once per day. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

The permittee shall keep records of the supporting calculations/documentation used to verify compliance with the particulate matter emission limitation for Source ID P203. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 60.4]

The submission of all requests, reports, application submittals, and other communications required by the Standards of Performance for New Stationary Sources (Nonmetallic Mineral Processing Plants, 40 CFR Sections 60.670-60.676) must be made to both the U.S. Environmental Protection Agency and the Pennsylvania Department of Environmental Protection. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

and

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**VI. WORK PRACTICE REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall keep on hand a sufficient quantity of spare cartridges for the American Air Filter cartridge collector (ID C203) associated with Source ID P203 in order to be able to immediately replace any cartridges requiring replacement.

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

Source ID P203 is a grinding operation comprised of:

- (a) feed hopper
- (b) model #95110BX Simplicity double deck scalper screen
- (c) 200 ton per hour model #4260 Stedman hammermill crusher
- (d) four 5' x 8' Deister single deck screens
- (e) two 100 ton shale storage silos
- (f) 100 ton soda ash storage silo
- (g) 30" x 50' Artech belt conveyor

**SECTION D. Source Level Requirements**

- (h) 30" x 47' Artech belt conveyor
- (i) 30" x 67' Artech belt conveyor
- (j) 30" x 41' Artech belt conveyor
- (k) 30" x 62' Artech belt conveyor
- (l) 30" x 51' Artech belt conveyor
- (m) 30" x 36' Artech belt conveyor
- (n) 30" x 125' Artech belt conveyor
- (o) 30" x 18' Artech belt conveyor
- (p) 30" x 20' Artech belt conveyor
- (q) 30" x 92' Artech belt conveyor
- (r) 30" x 105' Artech belt conveyor

The particulate matter emissions from the above grinding operation, with the exception of the 30" x 105' Artech belt conveyor, shall be controlled by a model #4RL64 American Air Filter cartridge collector (ID C203).

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

[Additional authority for this permit condition is derived from 40 CFR Section 60.670]

Source ID P203 is subject to 40 CFR Part 60, Subpart OOO Sections 60.670 - 60.676. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 60.670 - 60.676.

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

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

The air compressor(s) associated with the American Air Filter cartridge collector (ID C203) shall be equipped with an air dryer and an oil trap.

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

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

All conveyors of Source ID P203 shall be completely covered unless otherwise completely enclosed in a building.

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

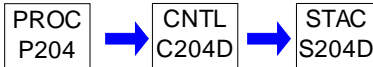
**SECTION D. Source Level Requirements**

Source ID: P204

Source Name: PRODUCTION OPERATION 2

Source Capacity/Throughput: 100.000 Tons/HR SHALE/CLAY &amp; ADDITIVES

Conditions for this source occur in the following groups: PRESSURE

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

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

[Compliance with the requirements specified in this streamlined permit condition assures compliance with the provisions in 40 CFR Section 60.672(a) and 25 Pa. Code Section 123.13]

The particulate matter concentration contained in the exhaust of the Donaldson Torit cartridge collector (ID C204D) associated with Source ID P204 shall not exceed .01 grains per dry standard cubic foot.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants  
Standard for particulate matter.**

[Additional authority for this permit condition is derived from 40 CFR Section 60.672(a)(2) and 25 Pa. Code Section 127.441]

[Compliance with the requirements specified in this streamlined permit condition assures compliance with the provisions in 25 Pa. Code Section 123.41]

The permittee shall not cause to be discharged into the atmosphere from the exhaust of ID C204D associated with Source ID P204 any emissions which exhibit greater than 7 percent opacity.

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

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

Control device ID C204D associated with Source ID P204 shall be equipped with instrumentation to continuously monitor the differential pressure across the collector.

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

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

The permittee shall keep records of the supporting calculations/documentation used to verify compliance with the particulate matter emission limitation for Source ID P204. These records shall be retained for a minimum of 5 years and

**SECTION D. Source Level Requirements**

shall be made available to the Department upon request.

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

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

The differential pressure across control device ID C204D associated with Source ID P204 shall be recorded at least once per day. These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 60.4]

The submission of all requests, reports, application submittals, and other communications required by the Standards of Performance for New Stationary Sources (Nonmetallic Mineral Processing Plants, 40 CFR Sections 60.670-60.676) must be made to both the U.S. Environmental Protection Agency and the Pennsylvania Department of Environmental Protection. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

and

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**VI. WORK PRACTICE REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall keep on hand a sufficient quantity of spare cartridges for control device ID C204D associated with Source ID P204 in order to be able to immediately replace any cartridges requiring replacement.

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

Source ID P204 is a production operation comprised of:

- (a) pug mill
- (b) extruder
- (c) Raymond Machine surface coater

**SECTION D. Source Level Requirements**

(d) four Artech belt conveyors

The particulate matter emissions from Source ID P204, shall be controlled by a Donaldson Torit model #DFT 4-48 cartridge collector (ID C204D).

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The air compressor(s) associated with control device ID C204D shall be equipped with an air dryer and an oil trap.

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

All conveyors of Source ID P204 shall be completely covered unless otherwise completely enclosed in a building.

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]**

**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**

**Applicability and designation of affected facility.**

Source ID P204 is subject to 40 CFR Part 60 Subpart OOO Sections 60.670 - 60.676 Standards of Performance for Nonmetallic Mineral Processing Plants. The permittee shall comply with all applicable requirements specified in 40 CFR Part 60 Sections 60.670 - 60.676.

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

**SECTION D. Source Level Requirements**

Source ID: P205

Source Name: EMERGENCY GENERATOR PLANT 2

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust associated with Source ID P205 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P205 in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, on a dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P205 shall only be fired on diesel fuel.

# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6604]

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What fuel requirements must I meet if I own or operate an existing stationary CI RICE?**

Beginning January 1, 2015, Source ID P205 shall use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

**Operation Hours Restriction(s).**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P205 shall not be operated in excess of 500 hours in any 12 consecutive month period.

**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).

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

The permittee shall keep records of the following:

- (a) Supporting calculations used to verify compliance with the particulate matter and sulfur oxides emission limitations of 25 Pa. Code Sections 123.13 and 123.21 respectively.
- (b) The amount of hours Source ID P205 is operated each month and the corresponding 12 consecutive month rolling totals in order to verify compliance with the hours of operation restriction.

These records shall be retained for a minimum of five years and be shown to the Department upon request.

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

Source ID P205 is a 721 horsepower Generac model SD500 diesel fired generator.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Source ID P205 is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, Sections 63.6580 - 63.6675. The permittee shall comply with all applicable requirements of this subpart. This engine is classified as an existing engine at an area source of HAP emissions

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

The permittee shall comply with the following for this engine:

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first;
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

**SECTION D. Source Level Requirements**

To qualify as an emergency stationary RICE under 40 CFR Part 63 Subpart ZZZZ, you must operate the emergency stationary RICE according to the following requirements:

- (1) There is no time limit on the use of emergency stationary RICE in emergency situations.
- (2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).
  - (i) Emergency stationary RICE 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 RICE beyond 100 hours per calendar year.
  - (ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.
  - (iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.
- (3) Emergency stationary RICE located at major sources of HAP 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 and emergency demand response provided in paragraph (f)(2) 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 supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

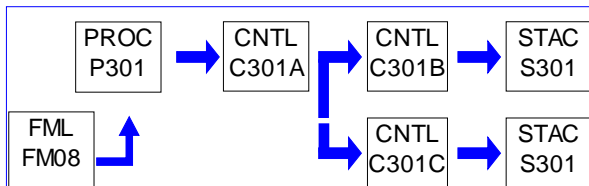
\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P301

Source Name: BRICK KILN #3

Source Capacity/Throughput:

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P301 shall not emit air contaminants in excess of the following rates:

Particulate Matter (PM) 0.68 lbs/hr & 2.97 Tons in any 12 CMP

VOCs 0.14 lbs/hr & 0.61 Tons in any 12 CMP

Hydrogen Fluoride (HF) 0.46 lbs/hr & 2.03 Tons in any 12 CMP

Hydrogen Chloride (HCl) 0.09 lbs/hr & 0.37 Tons in any 12 CMP

Total HAPs 0.57 lbs/hr & 2.62 Tons in any 12 CMP

SOx 1.62 lbs/hr & 7.10 Tons in any 12 CMP

NOx 3.26 lbs/hr & 14.3 Tons in any 12 CMP

CO 6.71 lbs/hr & 29.4 Tons in any 12 CMP

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

[Compliance with this streamline plan approval requirement assures compliance with the requirement specified in 25 Pa. Code Section 123.13]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the particulate matter emissions from the exhausts of the two (2) C. P. E. Filters, Inc. fabric collectors (IDs C301B and C301C) shall not exceed 0.005 grains per dry standard cubic foot each.

**Fuel Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P301 shall only be fired on natural gas.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the only clay/shale that may be processed by Source ID P301 shall be that identified by the permittee as Watsonstown shale.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the ENCERTEC, Inc. model C-5138-DIFF-07 sorbent injection system (ID C301A) associated with Source ID P301 shall achieve a minimum removal efficiency of 95% for Hydrogen Fluoride (HF) and 95% for Hydrogen Chloride (HCl).

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

During the term of this operating permit, Source ID P301 shall be stack tested for hydrogen fluoride (HF), hydrogen chloride (HCl) and sulfur oxides (SO<sub>x</sub>). In addition, the permittee shall conduct particulate matter, nitrogen oxides and carbon monoxide stack testing at the outlet of the dry lime injection system's fabric collector to determine the mass emission rate (pounds per hour) of the respective air contaminants. The testing shall be performed while the kiln is operating at maximum production rate. The permittee shall follow the testing requirements specified in Section C, Site Level Requirements, of this operating permit for this testing.

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

[Additional authority for this permit condition is also derived from 40 CFR Part 64.3 and 64.9]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, control device IDs C301B and C301C shall be equipped with instrumentation which continuously monitors the pressure drop across the collectors. Additionally, the permittee shall record the pressure drop across IDs C301B and C301C at least once per day. These records shall be retained for a minimum of five years and shall be provided to the Department upon request.

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

[Additional authority for this permit condition is derived from 40 CFR Part 64.3 and 64.9]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, control device ID C301A shall be equipped with instrumentation which continuously monitors the sorbent injection rate in pounds per hour. Additionally, the permittee shall record this sorbent injection rate, in pounds per hour, at least once per day. These records shall be retained for a minimum of five years and shall be provided to the Department upon request.

**# 009 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.3]****Sections of PART 64****Monitoring design criteria**

(a) The permittee shall use the pressure drop across IDs C301B and C301C, opacity readings from the exhaust associated with ID C301B and C301C and the chemical feed rate to control device ID C301A to obtain data and monitor the performance of control device IDs C301A, C301B and C301C.

(b) The permittee shall use the pressure drop gauge installed on control device IDs C301B and C301C and EPA Method 9 readings to measure the pressure drop and visible emissions.

(c) The permittee shall continuously monitor the chemical feed rate to control device ID C301A, the pressure drop across IDs C301B and C301C and conduct daily Method 9 readings from the exhaust of ID C301B and C301C.

**IV. RECORDKEEPING REQUIREMENTS.****# 010 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]****Sections of PART 64****Reporting and recordkeeping requirements**

(a) The permittee shall record the chemical feed rate to control device ID C301A, the pressure drop across IDs C301B and C301C and the presence of any opacity from the exhaust of ID C301B and C301C on a daily basis.

(b) The permittee shall record all excursions and corrective actions taken in response to an excursion and the time elapsed until the corrective action has been taken.

(c) The permittee shall record all inspections, repair and maintenance performed on the monitoring equipment.

(d) The permittee shall maintain records of all monitoring downtime incidents (other than downtime associated with zero

**SECTION D. Source Level Requirements**

and span or other calibration checks). The permittee shall also record the dates, times, and durations, possible causes and corrective actions taken for the incidents.

(e) The permittee shall keep all records for a period of five (5) years and make the records available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 011 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.9]****Sections of PART 64****Reporting and recordkeeping requirements**

1. The permittee shall report all excursions and corrective actions taken, their dates, times, durations, and possible causes on a semi annual basis.
2. The permittee shall report all monitoring downtime incidents (other than those associated with zero and span or other calibration checks) their dates, times, durations, and possible causes on a semi annual basis.
3. These reports shall be submitted to the Department no later than March 1 and September 1 each year.

**VI. WORK PRACTICE REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall keep on hand a sufficient quantity of spare fabric filters for the fabric collectors associated with Source ID P301 in order to be able to replace any filter requiring replacement immediately.

**# 013 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

- (a) The permittee shall adhere to a range of 1" – 5" of water column for pressure drop across ID C301B and C301C so that operation within that range shall provide a reasonable assurance of compliance. A departure from the specified range at any time shall be defined as an excursion.
- (b) The permittee shall adhere to a range of 0% – 5% opacity from the exhaust of ID C301B and C301C so that operation within that range shall provide a reasonable assurance of compliance. A departure from the specified range at any time shall be defined as an excursion.
- (c) The permittee shall adhere to having a chemical feed rate of no less than 50 pounds (40 pounds hydrated lime and 10 pounds sodium bicarbonate) per hour to ID C301A so that operation at that rate shall provide a reasonable assurance of compliance. A departure from the specified range at any time shall be defined as an excursion.
- (d) The permittee shall utilize approved QA/QC practices that are adequate to ensure continuing validity of data and proper performance of the pressure drop gauge installed on ID C301B and C301C.
- (e) The permittee shall calibrate and check the accuracy of the pressure drop gauge taking into account manufacturer's specifications at least annually.
- (f) The permittee shall maintain all monitoring equipment and stock parts necessary for routine repairs onsite.
- (g) The permittee shall ensure at least 90% of the monitoring data has been properly and accurately collected.

**VII. ADDITIONAL REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, none of the material collected by control device IDs C301B and C301C shall be recycled back into the brick making process.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P301 is a 5.5 tons per hour natural gas fired Lingl tunnel kiln rated at 31 MMBTU/hr. The air contaminant emissions from Source ID P301 shall be controlled by an ENCIERTEC, Inc. model C-5138-DIFF-07 sorbent injection system, a dry lime and sodium bicarbonate system (ID C301A) in series with two (2) C. P. E. Filters, Inc. 6,500 CFM fabric collectors (IDs C301B and C301C) operating in parallel to control the particulate matter emissions.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P301 shall be equipped with 28 Hauck model BIC 80 high velocity natural gas fired burners (each rated at 400,000 BTU/hr) and 72 Lingl model LWGB-15 nozzle mix burners (each rated at 275,000 BTU/hr).

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the injection rate for the ENCIERTEC, Inc. model C-5138-DIFF-07 sorbent (ID C301A) shall be at least 40 pounds per hour of hydrated lime and 10 pounds per hour of sodium bicarbonate.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the air compressor(s) which supplies compressed air to the fabric collectors associated with Source ID P301 shall be equipped with an air dryer and oil trap.

**# 019 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.8]****Sections of PART 64****Quality improvement plan (QIP) requirements**

1. The permittee shall develop and implement a quality improvement plan (QIP) as expeditiously as practicable if any of the following occur:

- a. For properly and accurately collected data, accumulated excursions exceed five percent (5%) of the data for opacity,
- b. Six excursions occur in a six month reporting period, and
- c. the Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

2. In general, the QIP plan should be developed within 60 days and 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 improvement contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

3. The permittee shall record 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.

4. The QIP shall include procedures for evaluating the control performance problems. Based on the results of the evaluation procedures, the permittee shall modify the QIP, and provide a copy to the Department, to include procedures for conducting more frequent or improved monitoring in conjunction with one or more of the following:

- a. improved preventative maintenance
- b. process operation change

**SECTION D. Source Level Requirements**

c. appropriate improvements to control methods, and

d. other steps appropriate to correct performance

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

a. address the cause of the control device performance problem, or

b. provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

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

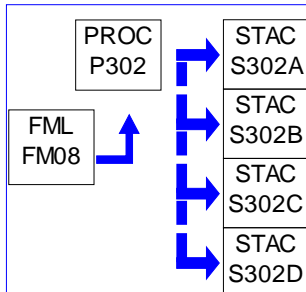
\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P302

Source Name: BRICK DRYER #3

Source Capacity/Throughput:

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

No person may permit the emission into the outdoor atmosphere of particulate matter from each exhaust associated with Source ID P302 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P302 in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, on a dry basis.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the nitrogen oxide (NO<sub>x</sub>) emissions from the exhaust of Source ID P302 shall not exceed 10 ppm, 0.11 pounds per hour and 0.47 tons in any 12 consecutive month period.

**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 keep records on a monthly basis which verifies compliance with the particulate matter, sulfur oxides and nitrogen oxides emissions from Source ID P302. These records shall be retained for a minimum of five years and shall be presented to the Department upon request.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P302 shall be a natural gas/waste heat fired Lingl chamber dryer and shall be equipped with four (4) Eclipse Minnox burners, each rated at 3.00 MMBTU/hr.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P302 shall operate only three of the four burners at anytime.

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

**SECTION D. Source Level Requirements**

Source ID: P303

Source Name: BRICK PRE-HEATER

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from the exhaust associated with Source ID P303 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P303 in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, on a dry basis.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the nitrogen oxide (NO<sub>x</sub>) emissions from the exhaust of Source ID P303 shall not exceed 10 ppm, 0.04 pounds per hour and 0.16 tons in any 12 consecutive month period.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P303 shall only be fired on natural gas.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (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.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall keep records on a monthly basis which verifies compliance with the particulate matter, sulfur oxides and nitrogen oxides emissions from Source ID P303. These records shall be retained for a minimum of five years and shall be presented to the Department upon request.

**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.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P303 shall be a natural gas fired Lingl pre-heater and shall be equipped with a Eclipse Minnox burner rated at 3.00 MMBTU/hr.

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

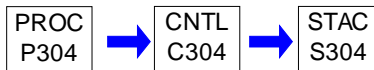
**SECTION D. Source Level Requirements**

Source ID: P304

Source Name: GRINDING OPERATION #3

Source Capacity/Throughput:

Conditions for this source occur in the following groups: PRESSURE

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

[Compliance with this streamlined plan approval requirement assures compliance with the requirements specified in 25 Pa. Code Section 123.13 and 40 CFR Part 60 Section 60.672(a)]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the particulate matter emissions in the exhaust of control device ID C304 associated with Source ID P304 shall not exceed 0.005 grains per dry standard cubic foot and 0.29 tons in any 12 consecutive month period.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Standard for particulate matter.**

In accordance with 40 CFR Section 60.672(a), the permittee shall not cause to be discharged into the atmosphere from the exhaust of ID C304 associated with Source ID P304 any emissions which exhibit greater than 7 percent opacity.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Control device ID C304 associated with Source ID P304 shall be equipped with instrumentation which continuously monitors the pressure drop across ID C304. Additionally, the permittee shall record the pressure drop across ID C304 at least once per day. These records shall be retained for a minimum of five years and shall be provided to the Department upon request.

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

The permittee shall maintain records of supporting calculations on a monthly basis to verify compliance with the particulate matter emission limitations for Source ID P304. These records shall be retained for a minimum of five years and shall be presented to the Department upon request.

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

The permittee shall comply with all recordkeeping requirements specified in 40 CFR Part 60 Section 60.676 for Source ID P304.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

The permittee shall comply with all reporting requirements specified in 40 CFR Part 60 Section 60.676 for Source ID P304.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 60.4]

The submission of all requests, reports, application submittals, and other communications required by the Standards of Performance for New Stationary Sources (Nonmetallic Mineral Processing Plants, 40 CFR Sections 60.670-60.676) must be made to both the U.S. Environmental Protection Agency and the Pennsylvania Department of Environmental Protection. The copies may be sent to:

United States Environmental Protection Agency  
Region III, Air and Radiation Division  
Permits Branch (3AD10)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

and

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall keep on hand a sufficient quantity of spare cartridges for the cartridge collector associated with Source ID P304 in order to replace any cartridge requiring replacement immediately.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P304 is a grinding operation consisting of the following sources:

- 25' X 8' wide feed hopper
- 30' X 36" apron feeder
- 36" X 30' Dribble Belt Conveyor
- 30" X 112' Conveyor C1
- 30" X 60' Conveyor C2
- 30" X 51' Conveyor C3
- 30" X 41' Conveyor C4
- 30" X 85' Conveyor C5

**SECTION D. Source Level Requirements**

- 30" X 61' Conveyor C6
- 30" X 73' Conveyor C7
- 30" X 60' Conveyor C8
- 30" X 52' Conveyor C9
- 30" X 16' Conveyor C10
- 30" X 95' Conveyor C11
- 30" X 18' Silo Discharge Conveyor
- 30" X 18' Silo Discharge Conveyor
- 5' X 10' double deck scalping screen
- Steadman model GS4260-AR/HC-T-H-A impact crusher rated at 200 tons per hour
- Three (3) 5' X 8' single deck Deister finishing screens
- Two (2) 100 ton capacity storage silos

The particulate matter emissions from Source ID P304 shall be controlled by a Donaldson Torit model DFO 4-48 cartridge collector (ID C304).

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, all conveyors of Source ID P304 shall be completely covered unless otherwise completely enclosed in the building.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the air compressor(s) which supplies compressed air to the cartridge collector associated with Source ID P304 shall be equipped with an air dryer and oil trap.

**# 012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

Source ID P304 is subject to 40 CFR Part 60 Subpart OOO Sections 60.670 - 60.676. The permittee shall comply with all applicable requirements of 40 CFR Part 60 Sections 60.670 - 60.676

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

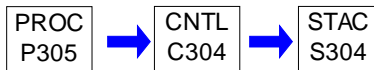
**SECTION D. Source Level Requirements**

Source ID: P305

Source Name: PRODUCTION OPERATION #3

Source Capacity/Throughput:

Conditions for this source occur in the following groups: PRESSURE

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

[Compliance with this streamlined plan approval requirement assures compliance with the requirements specified in 25 Pa. Code Section 123.13 and 40 CFR Part 60 Section 60.672]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the particulate matter emissions in the exhaust of control device ID C304 associated with Source ID P305 shall not exceed 0.005 grains per dry standard cubic foot and 0.29 tons in any 12 consecutive month period.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Control device ID C304 associated with Source ID P305 shall be equipped with instrumentation which continuously monitors the pressure drop across ID C304. Additionally, the permittee shall record the pressure drop across ID C304 at least once per day. These records shall be retained for a minimum of five years and shall be provided to the Department upon request.

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

The permittee shall maintain records of supporting calculations on a monthly basis to verify compliance with the particulate matter emission limitations for Source ID P305. These records shall be retained for a minimum of five years and shall be presented to the Department upon request.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

The permittee shall comply with all recordkeeping requirements specified in 40 CFR Part 60 Section 60.676 for Source ID P305.

**V. REPORTING REQUIREMENTS.****# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

The permittee shall comply with all reporting requirements specified in 40 CFR Part 60 Section 60.676 for Source ID P305.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P305 is a production operation consisting of the following sources AutoBrick Machine System 46H (consisting of a pre pug mill, a pug mill and a brick machine), an AutoBrick Machine System 24H (consisting of a pre pug mill, a pug mill and a brick machine). The particulate matter emissions from Source ID P305 shall be controlled by a Donaldson Torit model DFO 4-48 cartridge collector (ID C304).

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the air compressor(s) which supplies compressed air to the cartridge collector associated with Source ID P305 shall be equipped with an air dryer and oil trap.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall keep on hand a sufficient quantity of spare cartridges for the cartridge collector associated with Source ID P305 in order to replace any cartridge requiring replacement immediately.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

Source ID P305 is subject to 40 CFR Part 60 Subpart OOO Sections 60.670 - 60.676. The permittee shall comply with all applicable requirements of 40 CFR Part 60 Sections 60.670 - 60.676.

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

**SECTION D. Source Level Requirements**

Source ID: P306

Source Name: EMERGENCY GENERATOR PLANT 3

Source Capacity/Throughput:

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

[Compliance with this streamlined plan approval requirement assures compliance with the requirements specified in 25 Pa. Code Section 123.13 and 40 CFR Part 60 Section 60.4205(b)]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the particulate matter emissions from Source ID P306 shall not to exceed 0.08 grams per brake horsepower-hr, 0.11 pounds per hour and 0.03 tons in any 12 consecutive month period.

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

[Compliance with this streamlined plan approval requirement assures compliance with the requirement specified in 40 CFR Part 60 Section 60.4205(b)]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the carbon monoxide, nitrogen oxides and volatile organic compounds emissions shall not exceed 4.03 grams/brake hp-hr, 3.52 grams/brake hp-hr and 0.05 grams/brake hp-hr, respectively.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the carbon monoxide, nitrogen oxides and volatile organic compounds emissions shall not exceed 0.19 tons, 1.47 tons and 0.01 tons in any 12 consecutive month period respectively.

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

[Compliance with this streamlined plan approval requirement assures compliance with the requirement specified in 40 CFR Part 60 Section 60.4205(b)]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the nitrogen oxides + non-methane hydrocarbon emissions from the exhaust associated with Source ID P306 shall not exceed 5.4 grams per kilowatt-hr.

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

[Compliance with this streamlined plan approval requirement assures compliance with the requirement specified in 123.21]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the sulfur oxides emissions from Source ID P306 shall not exceed 0.31 pounds per hour and 0.08 tons in any 12 consecutive month period.

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

[Compliance with this streamlined plan approval requirement assures compliance with the requirement specified in 40 CFR Part 60 Section 60.4207(b)]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the sulfur content of the diesel fuel used to fire Source ID P306 shall not exceed 0.05% by weight.

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?**

Owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) {15 ppm sulfur content max} for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Source ID P306 shall not be operated in excess of 500 hours in any 12 consecutive month period.

**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.****# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

If you are an owner or operator of an emergency stationary CI internal combustion engine, you must install a non-resettable hour meter prior to startup of the engine.

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

The permittee shall keep records of the amount of hours Source ID P306 is operated each month in order to verify compliance with the 12 consecutive month period operating restriction. Additionally, the permittee shall keep records of the supporting calculations on a monthly basis which verify compliance with the sulfur oxides, nitrogen oxides, carbon monoxide, volatile organic compound and particulate matter emission limitations.

**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.****# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

**SECTION D. Source Level Requirements**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. You must also meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) Not Applicable

(c) Completed

(d) Not Applicable

(e) Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State, or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations. Anyone 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 year. For owners and operators of emergency engines meeting standards under §60.4205 but not §60.4204, any operation other than emergency operation, and maintenance and testing as permitted in this section, is prohibited.

**VII. ADDITIONAL REQUIREMENTS.**

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P306 is a 500 kW GENERAC Power Systems, Inc. model SD-500 diesel fired generator.

**# 013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]**

**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

**Am I subject to this subpart?**

Source ID P306 is subject to 40 CFR Part 60 Subpart IIII Sections 60.4200 - 60.4219. The permittee shall comply with all applicable requirements of 40 CFR Part 60 Sections 60.4200 - 60.4219.

**# 014 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**

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

**Am I subject to this subpart?**

Source ID P306 is subject to 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, Sections 63.6580 - 63.6675. Source ID P306 shall meet the requirements of this part by meeting the requirements of 40 CFR Part 60 Subpart IIII, for compression ignition engines. No further requirements apply for such engines under 40 CFR Part 63 Subpart ZZZZ.

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

**SECTION E. Source Group Restrictions.**

Group Name: PRESSURE

Group Description: Range

Sources included in this group

ID	Name
P108	GRINDING OPERATION 1
P203	GRINDING OPERATION 2
P204	PRODUCTION OPERATION 2
P304	GRINDING OPERATION #3
P305	PRODUCTION OPERATION #3

**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.****# 001 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall adhere to a range of 1" – 5" of water column for pressure drop across each fabric collector controlling particulate emissions from each source in this group.

**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 F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description																									
001	NG COMBUSTION UNITS																									
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>4.000</td><td>Lbs/MMBTU each</td><td>SOX</td></tr></table>			Emission Limit		Pollutant	4.000	Lbs/MMBTU each	SOX																		
Emission Limit		Pollutant																								
4.000	Lbs/MMBTU each	SOX																								
P101	BRICK KILN 1																									
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>5.000</td><td>ug/m^3 ambient</td><td>Hydrogen Fluoride</td></tr><tr><td>500.000</td><td>PPMV</td><td>SOX</td></tr><tr><td>0.040</td><td>gr/DRY FT3</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	5.000	ug/m^3 ambient	Hydrogen Fluoride	500.000	PPMV	SOX	0.040	gr/DRY FT3	TSP												
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0.040	gr/DRY FT3	TSP																								
P102	BRICK DRYER 1																									
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>500.000</td><td>PPMV</td><td>SOX</td></tr><tr><td>0.040</td><td>gr/DRY FT3</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	500.000	PPMV	SOX	0.040	gr/DRY FT3	TSP															
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P103	SAND DRYER																									
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Emission Limit		Pollutant																								
500.000	PPMV	SOX																								
0.040	gr/DRY FT3	TSP																								
P104	PRODUCTION OPERATION 1																									
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Emission Limit		Pollutant																								
0.040	gr/DRY FT3	TSP																								
P106	SHAPES LINE																									
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.040</td><td>gr/DRY FT3</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	0.040	gr/DRY FT3	TSP																		
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0.040	gr/DRY FT3	TSP																								
P107	4 DEISTER SCREENS																									
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>0.050</td><td>GRAMS/DSCM</td><td>TSP</td></tr></table>			Emission Limit		Pollutant	0.050	GRAMS/DSCM	TSP																		
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0.050	GRAMS/DSCM	TSP																								
P108	GRINDING OPERATION 1																									
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0.050	GRAMS/DSCM	TSP																								
P201	BRICK KILN 2																									
<table><tr><th colspan="2">Emission Limit</th><th>Pollutant</th></tr><tr><td>11.500</td><td>Lbs/Hr</td><td>CO</td></tr><tr><td>50.400</td><td>Tons/Yr</td><td>CO</td></tr><tr><td>0.720</td><td>Lbs/Hr</td><td>Hazardous Air Pollutants</td></tr><tr><td>3.120</td><td>Tons/Yr</td><td>Hazardous Air Pollutants</td></tr><tr><td>0.180</td><td>Lbs/Hr</td><td>Hydrochloric Acid</td></tr><tr><td>0.770</td><td>Tons/Yr</td><td>Hydrochloric Acid</td></tr><tr><td>0.490</td><td>Lbs/Hr</td><td>Hydrogen Fluoride</td></tr></table>			Emission Limit		Pollutant	11.500	Lbs/Hr	CO	50.400	Tons/Yr	CO	0.720	Lbs/Hr	Hazardous Air Pollutants	3.120	Tons/Yr	Hazardous Air Pollutants	0.180	Lbs/Hr	Hydrochloric Acid	0.770	Tons/Yr	Hydrochloric Acid	0.490	Lbs/Hr	Hydrogen Fluoride
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0.490	Lbs/Hr	Hydrogen Fluoride																								

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description
2.150 Tons/Yr	Hydrogen Fluoride
5.000 ug/m^3	Hydrogen Fluoride
3.350 Lbs/Hr	NOX
14.700 Tons/Yr	NOX
21.700 Lbs/Hr	SOX
94.900 Tons/Yr	SOX
500.000 PPMV	SOX
0.010 gr/DRY FT3	TSP
1.400 Lbs/Hr	TSP
6.120 Tons/Yr	TSP
0.230 Lbs/Hr	VOC
1.000 Tons/Yr	VOC
P202	BRICK DRYER 2
Emission Limit	Pollutant
500.000 PPMV	SOX
0.040 gr/DRY FT3	TSP
0.290 Lbs/Hr	VOC
1.260 Tons/Yr	VOC
P203	GRINDING OPERATION 2
Emission Limit	Pollutant
0.010 gr/DRY FT3	TSP
P204	PRODUCTION OPERATION 2
Emission Limit	Pollutant
0.010 gr/DRY FT3	TSP

**Site Emission Restriction Summary**

Emission Limit	Pollutant
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**SECTION H. Miscellaneous.**

The following air contaminant sources are considered to be insignificant with regards to air pollution and have been determined to be exempt from permit requirements. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (1) Eight (8) storage tanks less than or equal to 1,000 gallons that store diesel fuel or no. 2 fuel oil.
- (2) A 500 gallon gasoline storage tank.
- (3) One (1) 100 gallon propane storage tank
- (4) One (1) 0.035 MMBTU/hr propane fired showroom fireplace
- (5) One (1) 0.2 MMBTU/hr saw room dryer
- (6) Natural gas pipeline used for natural gas combustion units.
- (7) Two (2) 0.75 tons per hour sand mixers.



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

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