



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

**TITLE V/STATE OPERATING PERMIT**

Issue Date: August 28, 2024

Effective Date: August 28, 2024

Expiration Date: July 31, 2029

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: 33-00055**

Federal Tax Id - Plant Code: 31-0943426-5

**Owner Information**

Name: GLEN GERY CORP  
Mailing Address: 423 S POTTSVILLE PIKE  
SHOEMAKERSVILLE, PA 19555-9742

**Plant Information**

Plant: GLEN GERY CORP/HANLEY PLANT  
Location: 33 Jefferson County 33926 Summerville Borough  
SIC Code: 3251 Manufacturing - Brick And Structural Clay Tile

**Responsible Official**

Name: KURT POPE  
Title: PLANT MANAGER  
Phone: (814) 648 - 2236 Email: kurt.pope@glengery.com

**Permit Contact Person**

Name: MIKE KRZYZANOWSKI  
Title: TECH SERVICES MGR  
Phone: (610) 562 - 6422 Email: Mike.Krzyzanowski@GlenGery.com

[Signature] \_\_\_\_\_  
LORI MCNABB, ACTING NORTHWEST REGION AIR PROGRAM MANAGER



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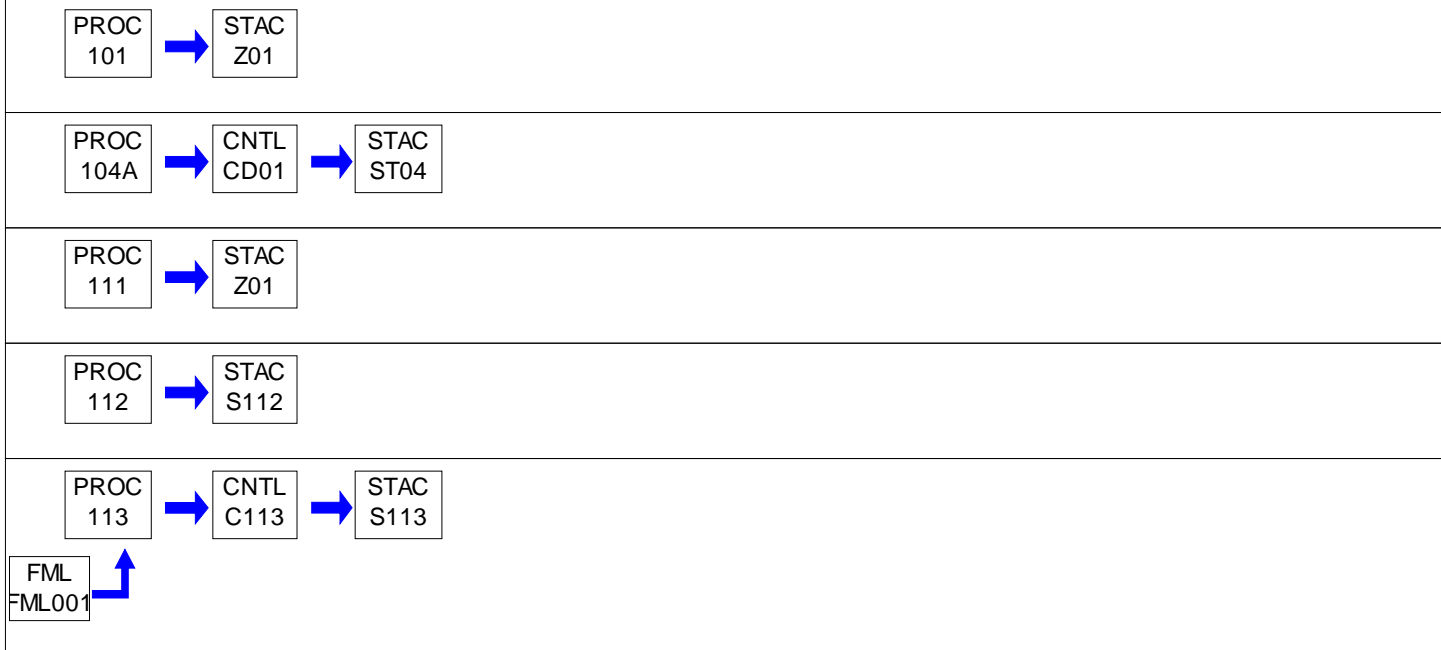
F-I: Restrictions  
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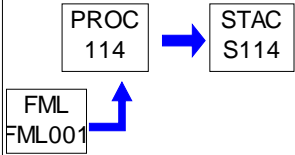
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	RAW MATERIAL STOCKPILES	400.000 Tons/HR	CLAY/SHALE
104A	GRINDING/SCREENING/STORAGE	100.000 Tons/HR	CLAY/SHALE
111	TRANSPORTATION		
112	MISCELLANEOUS NATURAL GAS USAGE	4.240 MMBTU/HR	
		4,155.000 CF/HR	Natural Gas
113	CERIC TUNNEL KILN	72.324 MMBTU/HR	
		16.000 Tons/HR	BRICK
		0.070 MMCF/HR	Natural Gas
114	DRYER	6.610 MMBTU/HR	
		16.000 Tons/HR	BRICK
		6,452.000 CF/HR	NATURAL GAS
C113	CECO SPRAY TOWER ABSORBER WITH MIST ELIMINATOR		
CD01	WW SLY BAGHOUSE		
FML001	NATURAL GAS PIPELINE		
S112	STACK FOR NATURAL GAS USAGE		
S113	CECO SPRAY TOWER STACK		
S114	STACK FROM DRYER		
ST04	BAGHOUSE OUTLET		
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**PERMIT MAPS**



### PERMIT MAPS



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

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

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

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

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

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

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

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

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

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

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

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

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

- (1) The Department determines that no other change in the permit is necessary;
- (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

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

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

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

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

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

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

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

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

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

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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



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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

R3\_Air\_Apps\_and\_Notices@epa.gov

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

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

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

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

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

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

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

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

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(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 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.

**SECTION B. General Title V Requirements**

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

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

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

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

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

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

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

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

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

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

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

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

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

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

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

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

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

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

The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

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

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

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

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

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

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

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

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(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

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

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

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

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

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

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

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

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

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

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

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

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

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit amendments)
- (7) Subchapter H (relating to general plan approvals and operating permits)

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

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

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
  - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
  - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

(3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

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

- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

**SECTION B. General Title V Requirements**

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

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

(1) Construction or demolition of buildings or structures.

(2) Grading, paving and maintenance of roads and streets.

(3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) Not applicable.

(8) Not applicable.

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

(i) the emissions are of minor significance with respect to causing air pollution; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and (c) and 123.2 (relating to fugitive particulate matter) or of the requirements of 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

(c) See work practice standard requirement.

(d) Not applicable.

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

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

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

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



**SECTION C. Site Level Requirements****# 004 [25 Pa. Code §123.41]****Limitations**

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

- (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.

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

The limitations of 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (2) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (3) When the emission results from sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

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

(a) Not Applicable

(b) No person may permit the open burning of material in an area outside of air basins in a manner that:

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

(c) Exceptions: The requirements of subsections (a) and (b) do not apply where the open burning operations result from:

- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (3) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (4) Not applicable.
- (5) Not applicable.

**SECTION C. Site Level Requirements**

(6) A fire set solely for recreational or ceremonial purposes.

(7) A fire set solely for cooking food.

(d) Clearing and grubbing wastes. The following is applicable to clearing and grubbing wastes:

(1) As used in this subsection the following terms shall have the following meanings:

**Air curtain destructor** -- A mechanical device which forcefully projects a curtain of air across a pit in which open burning is being conducted so that combustion efficiency is increased and smoke and other particulate matter are contained.

**Clearing and grubbing wastes** -- Trees, shrubs, and other native vegetation which are cleared from land during or prior to the process of construction. The term does not include demolition wastes and dirt laden roots.

(2) Not applicable.

(3) Subsection (b) notwithstanding clearing and grubbing wastes may be burned outside of an air basin, subject to the following limitations:

(i) Upon receipt of a complaint or determination by the Department that an air pollution problem exists, the Department may order that the open burning cease or comply with subsection (b) of this section.

(ii) Authorization for open burning under this paragraph does not apply to clearing and grubbing wastes transported from an air basin for disposal outside of an air basin.

(4) During an air pollution episode, open burning is limited by Chapter 137 (relating to air pollution episodes) and shall cease as specified in such chapter.

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

**# 007 Elective Restriction**

The permittee must keep its hazardous air pollutants (HAPs) emissions below the following facility-wide emission restrictions:

(a) 10 tons per rolling 12-month period for any individual HAP; and

(b) 25 tons per rolling 12-month period for total HAPs.

[Purpose of this condition is to maintain an area source status for MACT purposes.]

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

The Department reserves the right to require exhaust stack testing of any source(s) as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or determining compliance with any applicable requirements.

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

Visible emissions may be measured using either of the following:

**SECTION C. Site Level Requirements**

(1) A device approved by the Department and maintained to provide accurate opacity measurements.

(2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

**# 010 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall conduct daily monitoring of the facility property, while the plant is in operation, to observe for the presence of fugitive emissions and visible emissions being emitted into the outdoor atmosphere. For the purposes of this condition, the presence of visible emissions shall be determined using a U.S. EPA Method 22-like procedure.

(b) All detected fugitive emissions and visible emissions shall be reported to the shift supervisor so that the appropriate corrective actions can be taken.

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

(a) The permittee shall maintain a record of the daily monitoring conducted to determine the presence of fugitive emissions and visible emissions.

(b) This recordkeeping shall contain a listing or notation of any and all sources of fugitive emissions and visible emissions the cause of the fugitive emissions and visible emissions, and the corrective action taken to abate the deviation and prevent future occurrences.

**# 012 [25 Pa. Code §135.5]****Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 135.21 (relating to reporting; and emission statements). These 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.

**# 013 Elective Restriction**

To demonstrate compliance with the elective facility-wide restrictions (Condition #006),

(a) The permittee must maintain records of HAPs emitted per month.

(b) Compute the required 12-month rolling totals:

(1) For any single HAP, the present monthly emission shall be added to the monthly emission total from the previous eleven (11) months.

(2) For total HAPs, sum up the 12-month rolling totals for all HAPs.

**V. REPORTING REQUIREMENTS.****# 014 [25 Pa. Code §135.21]****Emission statements**

(a) The owner or operator of each stationary source emitting oxides of nitrogen or VOC's shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

(b) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for

**SECTION C. Site Level Requirements**

calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

- (1) A more frequent submission is required by the EPA.
- (2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

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

A person responsible for any source specified in Section C, Condition #001 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (2) Application of asphalt, oil, water 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.

[From: 25 Pa. Code §123.1(c)]

**VII. ADDITIONAL REQUIREMENTS.**

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

**VIII. COMPLIANCE CERTIFICATION.**

The permittee shall submit within thirty days of 06/30/2019 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

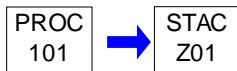
**\*\*\* Permit Shield In Effect \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: RAW MATERIAL STOCKPILES

Source Capacity/Throughput: 400.000 Tons/HR CLAY/SHALE

**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 maintain this source in accordance with good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

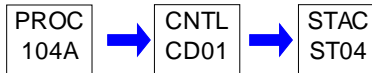
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 104A

Source Name: GRINDING/SCREENING/STORAGE

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

**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 this source in a manner that the concentration of particulate matter in the effluent gas exceeds .04 grain per dry standard cubic foot.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The following are CAM related requirements:

(a) The permittee shall use the following approved process parameters or indicators to obtain data and monitor the emission control equipment performance.

- (1) Baghouse differential pressure
- (2) Visible emission check at the exhaust outlet of the control device.

(b) The permittee shall use the following approved means or devices to measure the applicable indicators.

- (1) Differential pressure gauge
- (2) U.S. EPA Method 22 - like procedures.

(c) The permittee shall use the following approved frequencies for conducting monitoring of indicator(s)

- (1) Baghouse differential pressure - once in every 24 hours using a pressure gauge.
- (2) Visible emissions - daily.

(d) The permittee shall use the approved period over which discrete data points for approved indicator(s) will be collected and averaged for the purpose of determining an excursion.

- (1) Baghouse differential pressure drop is monitored once in every 24 hours using a differential pressure gauge.
- (2) Visible emission readings taken daily for 6-minutes using U.S. EPA Method 22-like procedures.

[Additional authority for parts (a)-(d) of this permit condition is also derived from 40 CFR § 64.6 & § 64.3]

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

The following are CAM related requirements:

- (a) The permittee shall record the baghouse differential pressure once in every 24 hours while the unit is operating.
- (b) The permittee shall keep records of the daily visible emission observations while the unit is operating.
- (c) (1) The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required by 40 CFR §64.8, any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).
- (2) Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

[Additional authority for this permit condition is derived from 40 CFR § 64.9(b)]

**# 004 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

- (a) The permittee, shall maintain a log of all preventive maintenance inspections of the fabric filter. The inspection logs at a minimum, shall contain the dates of the inspections, any potential problems or defects that were encountered, the steps taken to correct them, and the measured pressure drop across the fabric collector.
- (b) The inspection logs shall be maintained at the facility for a period of five years and be made available to the Department for Inspection.

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

The following are CAM related requirements:

The permittee shall report the following information to the Department every six (6) months:

- (1) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken:
- (2) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
- (3) A description of the actions taken to implement a quality improvement plan (QIP) during the semi-annual reporting period. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[Additional authority for this permit condition is also derived from 40 CFR § 64.9(a).]

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

The following are CAM related requirements:

- (a) Commencement of operation. The owner or operator shall conduct the monitoring required under this part upon

**SECTION D. Source Level Requirements**

issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to §64.6(d).

(b) Proper maintenance. At all times, the owner or operator shall maintain the monitoring equipment, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(c) Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(d) Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(e) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[Additional authority for part (a) to (e) of this permit condition is also derived from 40 CFR §64.7]

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The following are CAM related requirements:

(a) The permittee shall adhere to approved range for the selected indicator so that operation within the range shall provide reasonable assurance of compliance. A departure from the specified indicator range over a specified averaging period shall be defined as an excursion.

(1) Baghouse differential pressure range will be determined by the Department upon completion of a Department approved stack test by the permittee.

(i) A baghouse differential pressure range of 0.1 to 6.5 inch water column as determined during the December 2003



**SECTION D. Source Level Requirements**

stack test or the most recent Department approved stack test shall be adhered to while the unit is operating.

- (2) Presence of any visible emissions observed using a U.S. EPA Method - 22 like procedure.

[Additional authority for part (a) of this permit condition is also derived from 40 CFR §64.3 & §64.6]

(b) For QA/QC purposes, the permittee shall calibrate and check the accuracy of monitoring equipment taking into account the manufacturer's specifications at approved time intervals.

- (1) Baghouse differential pressure gauge shall be calibrated annually.  
 (2) U.S. EPA Method 22-like procedures reviewed every six months.

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

[Additional authority for parts (b) - (c) of the following permit condition are also derived from 40 CFR §64.3.]

(d) The permittee shall submit an implementation plan and schedule if the approved monitoring requires the installation, testing or other necessary activities. The schedule for completing installation and beginning operation of the monitoring may not exceed 180 days after issuance date of the permit.

[Additional authority for part (d) of this permit condition is also derived from 40 CFR §64.4]

**# 008 [25 Pa. Code §127.511]**

**Monitoring and related recordkeeping and reporting requirements.**

(a) The permittee shall maintain and operate the source fabric collector in accordance with the manufacturer's specifications and good air pollution control practices.

(b) The permittee shall perform weekly preventive maintenance inspections of the fabric filter and check the pressure drop across the fabric filter.

(c) The permittee shall maintain a manometer or similar device to measure the pressure drop across the control device.

(d) The permittee shall operate the control device at all times that this source is in operation.

**VII. ADDITIONAL REQUIREMENTS.**

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The following are CAM related requirements:

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

- (1) Six excursions occur in a six-month reporting period.  
 (2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) Elements of a QIP:

- (1) The owner or operator shall maintain a written QIP, if required, and have it available for inspection.  
 (2) The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate;
- (i) Improved preventive maintenance practice.  
 (ii) Process operation changes.

**SECTION D. Source Level Requirements**

- (iii) Appropriate improvements to control methods.
  - (iv) Other steps appropriate to correct control performance.
  - (v) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (b)(2)(i) through (iv) of this section).
- (c) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.
- (d) Following implementation of a QIP, the Department will require reasonable revisions to the QIP if the plan has failed to either:
- (1) Address the cause of the control device performance problem.
  - (2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (e) Implementation of a QIP, shall not excuse the permittee from compliance with any 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.
- [Additional authority for the following permit conditions are also derived from 40 CFR §64.8]

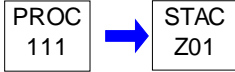
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: TRANSPORTATION

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.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

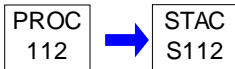
Source ID: 112

Source Name: MISCELLANEOUS NATURAL GAS USAGE

Source Capacity/Throughput: 4.240 MMBTU/HR

4,155.000 CF/HR

Natural Gas

**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 this process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, 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 use only natural gas as a fuel for this source.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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).

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

The permittee shall maintain this source in accordance with manufacturer's specification and good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

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

**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: CERIC TUNNEL KILN

Source Capacity/Throughput:

72.324 MMBTU/HR

16.000 Tons/HR

BRICK

0.070 MMCF/HR

Natural Gas

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

The concentration of particulate matter in the effluent gas of the scrubber may not exceed 0.04 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 from a source 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, dry basis.

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

[Plan Approval 33-055C Condition #004]

The emission of air contaminants from the kiln during normal operations and bypass operations shall not exceed the following based on a consecutive 12-month period:

Filterable PM-34.8 tpy

CO- 168.2 tpy

VOC (expressed as propane) - 18.9 tpy

NO<sub>x</sub> (expressed as NO<sub>2</sub>) - 25.5 tpy

SO<sub>2</sub> -244.3 tpy

H<sub>2</sub>SO<sub>4</sub> - 21.2 tpy

HF - 9.8 tpy

HCL - 9.8 tpy

Total HAP-20.3 tpy

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

[Plan Approval 33-055C Condition #005]

The emission of filterable particulate matter from the kiln at the spray tower inlet shall not exceed 0.42 lb per ton of fired brick.

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

[Plan Approval 33-055C Condition #006]

Hazardous Air Pollutants (HAPs)

**SECTION D. Source Level Requirements**

- (A) HF emissions shall not exceed 0.057 lb/ton fired brick or shall be reduced from uncontrolled emissions by at least 90%.  
 (B) HCl emissions shall not exceed 0.26 lb/ton fired brick or shall be reduced from uncontrolled emissions by at least 30%.

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

[Plan Approval 33-055C Condition #003]

The emission of air contaminants from the kiln and measured at the scrubber outlet shall not exceed the following limits expressed as lb/hr or pounds per ton of brick fired during normal operations, as applicable:

NO<sub>x</sub> (expressed as NO<sub>2</sub>) - 5.82 lb/hr

CO - 2.40 lb/ton

VOC (expressed as propane) - 0.27 lb/ton

SO<sub>x</sub> (expressed as SO<sub>2</sub>) - 3.48 lb/ton

H<sub>2</sub>SO<sub>4</sub> - 0.30 lb/ton

Total HAP - 0.28 lb/ton

**Throughput Restriction(s).****# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 33-055C Condition #007]

The maximum production rate of the new tunnel kiln is 16.00 ton of brick per hour.

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

[Plan Approval 33-055C Condition #008]

At a minimum, source testing of the wet scrubbing system shall be conducted every 5 years or upon permit renewal to show compliance with emission limits listed in #001, #002, #003, #005, and #006 for Filterable PM, CO, VOC, NO<sub>x</sub>, SO<sub>2</sub>, H<sub>2</sub>SO<sub>4</sub>, HF, and HCL. Compliance with the total HAP limitation shall be determined by demonstrating compliance with HF and HCL emission limitations. The stack test shall comply with the Department's requirements.

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

[Plan Approval 33-055C Condition #010]

All stack testing that is required by this plan approval shall be performed in accordance with the latest version of the Stack Testing Manual and the following Conditions unless the permittee requests in writing and the Department approves in writing specific changes.

(a) Pursuant to 25 Pa. Code 139.3, at least 45 calendar days prior to commencing an emissions 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) The emission tests of the above sources shall be performed in accordance with the provisions of Chapter 139 to determine compliance with the respective emissions limits in this condition. The stack tests shall be performed while the aforementioned sources are operating within 10% of the maximum rated capacity as stated on the application. The stack tests shall be performed in accordance with the Department approved methods.

**SECTION D. Source Level Requirements**

(c) 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 appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(d) Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent to the Department's Division of Source Testing and Monitoring indicating the completion date of the on-site testing.

(e) Pursuant to 40 CFR Part 63.7(g) a 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 emission test program.

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

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

(g) The company shall include in the stack test report all pertinent operational data for the air contamination sources and the air pollution control system. Pertinent information appropriate to the testing being performed shall include, but not be limited to:

- (i) The type of brick produced
- (ii) Production rates
- (iii) Percentage of carbon in the raw material
- (iv) Percentage of sulfur in the raw material
- (v) Amount of natural gas used

The percentage of carbon and sulfur in the raw material will be determined utilizing a dried, unfired, brick from the product line being fired during the stack testing event.

(h) 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.

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

(j) Pursuant to 25 Pa. Code Section § 139.53(a)(1) and § 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS\*Online, available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>, when it becomes available.

If internet submittal can not be accomplished, three copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468 with deadlines verified through document postmarks.

(k) 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.

**# 010 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 33-055C Condition #009]



**SECTION D. Source Level Requirements**

(a) [Initial testing required by PA 33-055C was conducted in May 2011]

(b) The following methods shall be used to conduct emission testing unless another method is approved by the Department:

Filterable PM- EPA Method 5

SO<sub>2</sub> & H<sub>2</sub>SO<sub>4</sub> mist -EPA Method 8

CO- EPA Method 10

VOC as propane- EPA Method 25

NO<sub>x</sub>- EPA Method 7E

(c) If the results of a stack test, performed as required by this approval, exceed the level specified in any condition of this approval, the Permittee shall take appropriate corrective actions. Within 30 days of the Permittee receiving the stack test results, a written description of the corrective actions shall be submitted to the Department. The Permittee shall take appropriate action to minimize emissions from the affected facility while the corrective actions are being implemented. The Department shall notify the Permittee within 30 days, if the corrective actions taken are deficient. Within 30 days of receipt of the notice of deficiency, the Permittee shall submit a description of additional corrective actions to the Department. The Department reserves the authority to use enforcement activities to resolve noncompliant stack tests.

(d) If the results of the required stack test exceed any limit defined in this permit, the test was not performed in accordance with the stack test protocol or the source and/or air cleaning device was not operated in accordance with the permit, then another stack test shall be performed to determine compliance. Within 120 days of the Permittee receiving the original stack test results, a retest shall be performed. The Department may extend the retesting deadline if the Permittee demonstrates, to the Department's satisfaction, that retesting within 120 days is not practicable. Failure of the second test to demonstrate compliance with the limits in the plan approval, not performing the test in accordance with the stack test protocol or not operating the source and/or air cleaning device in accordance with the plan approval may be grounds for immediate revocation of the permit to operate the affected source.

**III. MONITORING REQUIREMENTS.**

**# 011 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 33-055C Condition #011]

(a) The following are CAM related requirements:

(1) pH of Liquid

pH will be monitored continuously using an inline pH sensor.

(2) Liquid Flow Rate

The flow rate will be monitored continuously at the common inlet to the two recirculation pumps using a non-contact ultrasonic flow sensor.

(3) Preventative Maintenance

The permittee will conduct routine inspections according to a preventive maintenance schedule, with the option of deferring inspections with the intention of minimizing the potential for system malfunctions. In order to conduct these inspections and complete any associated cleaning and/or routine spray tower maintenance activities, the spray tower will necessarily be bypassed for no more than 72 hours per year per consecutive 12-month period.

(b) The following indicator ranges will be part of the CAM plan for the spray tower (C113):

(1) pH

The pH of the liquid spray shall be maintained between 4.3 and 6.9 pH units. An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

(2) Liquid Flow Rate

The liquid flow rate shall be maintained between 230 and 500 gallons per minute. An excursion will trigger an inspection, corrective action and possibly malfunction reporting.

[Additional authority for this permit condition is derived from 40 CFR Sections 64.6 and 64.3]

[From: Plan approval # 33-055B, condition #007 and # 010]

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

[Plan Approval 33-055C Condition #014]

The permittee shall maintain a daily record of:

- (a) hours of operation.
- (b) production records of tons of brick fired.

The permittee shall maintain a monthly record of:

- (a) natural gas usage in the tunnel kiln.

Production and operation records shall be kept on file for a minimum of five years and shall be made available to Department personnel upon request.

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

[Plan Approval 33-055C Condition #012]

The following are CAM related requirements.

Data Collection Procedures:

## (a) Liquid pH

The permittee shall read and record data manually from a visual display once per operating day. A hard copy of the data shall be retained for five (5) years.

## (b) Liquid Flow Rate

The permittee shall read and record data manually from a visual display once per operating day. A hard copy of the data shall be retained for five (5) years.

## (c) Preventative Maintenance

Records of the monthly preventative maintenance inspections shall be kept and retained for five (5) years.

[Additional authority for this permit condition is derived from 40 CFR Section 64.9(b)]

[From: Plan approval # 33-055B, condition # 011]

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

[Plan Approval 33-055C Condition #013]

The permittee will maintain a record of all bypass events, both scheduled and unscheduled. The report will include the time and duration of the bypass event and maintenance performed. Bypass records shall be kept on file for a period of five years and shall be made available to Department personnel upon request.

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

[Plan Approval 33-055C Condition #015]

The permittee shall maintain a log documenting dates and actions completed, to show compliance with the maintenance schedule provided by the manufacturer of the tunnel kiln. This log shall be kept for a minimum of five years and made available to the Department upon request.

**SECTION D. Source Level Requirements****# 016 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 33-055C Condition #016]

A copy of the manufacturer's recommended maintenance schedule shall be kept on site and records of all maintenance activities and any corrective action taken, shall be kept in a log for a minimum of five years and made available to the Department upon request.

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

To demonstrate compliance with the emission restrictions (i.e., amounts emitted in tons on any consecutive 12-month period, Condition #003):

(a) The permittee must maintain records of the following pollutants emitted per month: filterable PM, CO, VOC, NO<sub>x</sub>, SO<sub>2</sub>, H<sub>2</sub>SO<sub>4</sub>, HF, HCl, & Total HAP.

(b) For each pollutant, compute the corresponding 12-month rolling total by adding the present monthly emission to the monthly emission total from the previous eleven (11) months.

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

[Plan Approval 33-055C Condition #017]

The following are CAM related requirements:

The permittee shall report the following information to the Department every six (6) months:

(a) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken

(b) Summary information on the number, duration and cause (including unknown cause if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable)

(c) If the permittee is required to develop a QIP as determined by Condition #024, then a description of the actions taken to implement a quality improvement plan (QIP) during the semi-annual reporting period. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[Additional authority for this permit condition is also derived from 40 CFR Section 64.9a]

[From: Plan approval # 33-055B, condition # 014]

**VI. WORK PRACTICE REQUIREMENTS.****# 019 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 33-055C Condition #019]

The following are CAM related requirements:

(a) Commencement of operation. The owner or operator shall conduct the monitoring required under this part upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to §64.6(d).

**SECTION D. Source Level Requirements**

(b) Proper maintenance. At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

(c) Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(d) Response to excursions or exceedances.

(1) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(2) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

(e) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the part 70 or 71 permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[Additional authority for part (a) to (e) of this permit condition is also derived from 40 CFR §64.7]

[From: Plan approval # 33-055B, condition # 016]

**# 020 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 33-055C Condition #020]

The permittee shall maintain and operate the source and control device in accordance with the manufacturer's recommended maintenance schedule. Maintenance of the source shall include tuning all burners at the manufacturer's recommended frequency.

**# 021 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 33-055C Condition #018]

(a) The following data will be represented as part of the CAM plan for Spray Tower (C113)

(1) pH of Liquid

pH will be monitored continuously using an inline pH sensor at the sump. The minimum accuracy of the pH sensor shall

**SECTION D. Source Level Requirements**

be +/- 0.01 pH units

(2) Liquid Flow Rate

The flow rate will be monitored continuously at the common inlet to the two recirculation pumps using a non-contact ultrasonic flow sensor. The minimum accuracy of the ultrasonic flow sensor shall be +/- 1.0 gpm.

(3) Preventative Maintenance

Preventative maintenance inspections are to be performed during scrubber shutdown: debris removal from walls and sump, cleaning of probes and lines, checking mist eliminator and scrubber internals with repairs as needed, pump and sensor preventative maintenance.

(b) Verification of Operational Status

(1) pH

Operational status is to be verified by operator and/or other qualified personnel.

(2) Liquid flow rate

Operational status is to be verified by operator and/or other qualified personnel.

(3) Preventative Maintenance

Operational status is to be verified by operator and/or other qualified personnel.

(c) QA/QC Practices and Criteria

(1) pH

pH verification is performed on a daily basis using a handheld (portable) pH probe. The permanent pH probe readings are compared with measured water samples using the portable pH probe. If an error between the two measured samples is greater than 1.0 pH unit then a more thorough investigation is performed that may involve re-cleaning the permanent pH probe, recalibrating or replacing the pH probe.

The handheld (portable) probe is calibrated at least once per week using two certified pH solutions of different values which will bracket the expected pH. A two -point calibration is performed to maintain linearity of the measuring instrument. All new permanent pH probes are calibrated before they are placed into service. All calibrations are performed using a two-point calibration method with certified pH solutions of 4.0 and 7.0 pH units.

(2) Liquid flow rate

The ultrasonic flow meter reading is verified and recorded daily in order to detect flow variations. If flow variations outside the acceptable range are detected a thorough inspection will follow to verify an/or correct unwanted conditions.

Flow verification /calibration is performed once per month using a handheld (portable) flow meter (ultrasonic "Doppler" technology). The permanent flow meter readings are compared with measured flow of the portable flow meter, with adjustments to the permanent flow meter made as necessary.

(3) Preventative Maintenance

Qualified maintenance personnel shall perform maintenance inspections.

[Additional authority for this permit condition is derived from 40 CFR §64.4.]

[From: Plan approval #33-055B, condition # 017]

**# 022 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 33-055C Condition #021]

The permittee shall install, maintain, and operate a natural gas meter on the kiln.

**# 023 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

[Plan Approval 33-055C Condition #022]

The most recent Department approved stack test will be used to calculate controlled and uncontrolled emissions for those pollutants for which testing was conducted unless an alternative calculation method is approved by the Department.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 024 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Plan Approval 33-055C Condition #023]

The following are CAM related requirements:

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

- (1) Nine excursions of any single parameter occur in a six-month reporting period.
- (2) The Department determines after review of all reported information that the permittee has not responded acceptably to an excursion.

(b) Elements of a QIP:

- (1) The owner or operator shall maintain a written QIP, if required, and have it available for inspection.
- (2) The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:
  - (i) Improved preventive maintenance practice.
  - (ii) Process operation changes.
  - (iii) Appropriate improvements to control methods.
  - (iv) Other steps appropriate to correct control performance.
  - (v) More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (b)(2)(i) through (iv) of this section).

(c) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

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

- (1) Address the cause of the control device performance problem.
- (2) Provide adequate procedures for correcting control device performance problems in as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(e) Implementation of a QIP, shall not excuse the permittee from compliance with any 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.

[Additional authority for the following permit conditions are also derived from 40 CFR §64.8]

[From: Plan approval # 33-055B, condition # 018]

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

**SECTION D. Source Level Requirements**

Source ID: 114

Source Name: DRYER

Source Capacity/Throughput: 6.610 MMBTU/HR  
 16.000 Tons/HR BRICK  
 6,452.000 CF/HR NATURAL GAS

**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 this process in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

# 002 [25 Pa. Code §123.21]

**General**

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

The permittee shall maintain a daily record of hours of drying operation and daily production records of tons of brick dried. Production and operation records shall be kept on file for a period of five years and shall be made available to Department personnel 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.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain and operate this source in accordance with the manufacturer's specifications or in accordance with good air pollution control practices. A copy of the manufacturer's specifications for the source shall be kept on site and be readily available.

**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 E. Source Group Restrictions.**



## SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
104A	GRINDING/SCREENING/STORAGE		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.040	gr/DRY FT3	TSP	
112	MISCELLANEOUS NATURAL GAS USAGE		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Dry basis	SOX
0.040	gr/DRY FT3	TSP	
113	CERIC TUNNEL KILN		
<b>Emission Limit</b>		<b>Pollutant</b>	
2.400	Lbs/Tons	Fired product from spray tower outlet during normal operations	CO
168.200	Tons/Yr	Rolling 12 month consecutive period	CO
0.280	Lbs/Tons	Fired product from spray tower outlet during normal operations	Hazardous Air Pollutants
20.300	Tons/Yr	Rolling 12 month consecutive period	Hazardous Air Pollutants
9.800	Tons/Yr	Rolling 12 month consecutive period	Hydrochloric Acid
9.800	Tons/Yr	Rolling 12 month consecutive period	Hydrogen Fluoride
5.820	Lbs/Hr	Spray tower outlet during normal operations. NOx expressed as NO2.	NOX
25.500	Tons/Yr	Rolling 12 month consecutive period, NOx expressed as NO2.	NOX
3.480	Lbs/Tons	Fired product from spray tower outlet during normal operations. SOx expressed as SO2.	SOX
244.300	Tons/Yr	Rolling 12 month consecutive period. SOx expressed as SO2.	SOX
500.000	PPMV	by volume dry basis. SOx expressed as SO2.	SOX
0.300	Lbs/Tons	Measured at the scrubber outlet, during normal operations.	Sulfuric Acid
21.200	Tons/Yr	Rolling 12 month consecutive period. Emission rate during normal operations.	Sulfuric Acid
0.040	gr/DRY FT3	From spray tower outlet during normal operations	TSP
0.420	Lbs/Tons	Fired product at kiln exhaust prior to spray tower	TSP
34.800	Tons/Yr	Filterable Particulate, Rolling 12 month consecutive period	TSP
0.270	Lbs/Tons	Fired product from spray tower outlet during normal operations. VOC expressed as Propane.	VOC
18.900	Tons/Yr	Rolling 12 month consecutive period, VOC expressed as Propane.	VOC
114	DRYER		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Dry basis	SOX
0.040	gr/DRY FT3	TSP	

**SECTION G. Emission Restriction Summary.****Site Emission Restriction Summary**

Emission Limit		Pollutant
25.000 Tons/Yr	(on a 12-month rolling basis, for total HAPs)	Hazardous Air Pollutants
10.000 Tons/Yr	(on a 12-month rolling basis, for any individual HAP)	Hazardous Air Pollutants

**SECTION H. Miscellaneous.**

(a) The Capacity/Throughput numbers listed in Section A, the Site Inventory List, and provided in Section D of this permit for individual sources are for informational purposes only and are not to be considered enforceable limits. Enforceable emission limits and other enforceable restrictions are listed in the Restriction section for each source in Section D. The emission limitations contained in Section F (Emission Restriction Summary) of this permit are also for informational purposes only and are not to be considered enforceable limits.

(b) Source ID # 112 comprised with the following natural gas usage equipment:

- (1) Eight Reznor FE-250 (Space Heaters)
- (2) One Reznor XE-300 (Space Heaters)
- (3) Two Reznor FE-500 (Space Heaters)
- (4) Twenty Reznor TR-200 (Space Heaters)
- (5) One Reznor FE-100 (Space Heaters)
- (6) Nine Dayton Unit Heaters
- (7) One Dayton radiant heater
- (8) One Reznor V3 (Space Heater)
- (9) One Pennco FSB-4 (Space Heater)
- (10) One Rheem Criterion (Space Heater)
- (11) One Reznor FE-75 (Space Heater)
- (12) Dust Collector Dust Furnace-Rupp DF Series
- (13) One Water Heater-AO Smith FSGL-40
- (14) Glaze System Dryer-Hastings inline
- (15) Nine glaze heaters.
- (16) A.O. Smith EES 52 water heater.

(c) The following sources are insignificant and there will be no applicable requirements for these sources:

- (1) Flash Dryer.
- (2) Baghouse that exhausts inside the facility. A 20-hp blower, UNI-WASH model UCBD-150. Used in general manufacturing area
- (3) Hammermill with baghouse that exhausts inside the facility. Previously a permitted source, designated as Source 103 & CD03.

(d) Permit history

- (1) This initial operating permit was issued on June 4, 1998.
- (2) This operating permit was renewed on the following dates: August 14, 2003; August 6, 2008; August 26, 2013; and October 15, 2018.
  - (2.1) For the 2003 renewal permit, previously permitted brick dryer and two tunnel kilns were removed. These units were replaced by a new tunnel kiln and two dryers (main dryer, pre-dryer), which were permitted at the time through PA 33-055B.
- (3) This operating permit was administratively amended on the following dates:
  - (3.1) June 13, 2006 to incorporate the conditions of plan approval # 33-055B for Source 113 (Ceric Tunnel Kiln).
  - (3.2) December 16, 2011 to incorporate the requirements of plan approval 33-055C for Source 113.
  - (3.3) April 14, 2016 to change the responsible official from George Robinson to James VanVolkinburg - Regional Production Manger.
  - (3.4) May 20, 2021 to change the responsible official from James VanVolkinburg to Kurt Pope - Plant Manager. And to remove Sources 102A and 102B

(e) Please note that all the units expressed as gr / DRY FT<sup>3</sup> in Section F. Emission Restriction Summary of the permit will be regarded as gr / DSCF (dry standard cubic feet).

(f) The Department on February 3, 2020 approved the RFD for the installation of Source 102C (Impactor rated at 200 tph) and associated dust collector C102C (Donaldson Torit oval-cartridge dust collector rated at 7,800 cfm). The collector exhausts indoors and cannot be bypassed to exhaust to the outdoor atmosphere.

(g) This permit renewal, effective August 28, 2024, is issued on August 28, 2024. No changes were requested. There were no new applicable promulgations.



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

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