



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: July 6, 2026

Effective Date: July 6, 2026

Expiration Date: July 5, 2031

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: 14-00002

Federal Tax Id - Plant Code: 25-1527520-1

Owner Information

Name: GRAYMONT PA INC
Mailing Address: 375 GRAYMONT RD
BELLEFONTE, PA 16823-6869

Plant Information

Plant: GRAYMONT PA INC/PLEASANT GAP & CON-LIME & BELLEFONTE PLTS
Location: 14 Centre County 14931 Spring Township
SIC Code: 3274 Manufacturing - Lime

Responsible Official

Name: DARRELL SHARP
Title: PLANT MANAGER
Phone: (814) 357 - 4517 Email: dsharp@graymont.com

Permit Contact Person

Name: JOHN MAITLAND
Title: DIRECTOR EHS CORP AFFAIRS
Phone: (814) 353 - 2106 Email: jmaitland@graymont.com

[Signature] _____
MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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Note: These same sub-sections are repeated for each source!

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Source ID	Source Name	Capacity/Throughput		Fuel/Material
032	COMBUSTION UNITS AND HEATERS AT PG AND BEL	2.450	MCF/HR	Natural Gas
P108	LIME LOAD-OUT AND BAGGING [CONLIME]			
P113	RKP SYSTEM, #10 RAYMOND MILL [BEL]	99.000	Lbs/HR	LIME
P201	HYDRATE PROCESS EQUIPMENT [BEL]	99.000	Lbs/HR	LIME
P203	RAW LIME HANDLING [BEL]			
P204	RAW LIME PROCESSING [BEL]			
P210	STORAGE TANKS [BEL AND PG]			
P212	PLANT ROADS [BEL]			
P275	CRUSHING/SIZING/STORAGE OPERATIONS [PG]	99.000	Lbs/HR	LIMESTONE
P306	PEBBLE LIME HANDLING AND SCREENING [PG]			
P308	LIMESTONE SCREENING [PG]			
P309	PULVERIZED LIME PRODUCTION [PG]			
P310	PULVERIZED LIMESTONE SYSTEM [PG]	10.000	MMBTU/HR	
P311	STANDARD HYDRATE SYSTEM [PG]			
P313	ENHANCED HYDRATE SYSTEM	20.000	Tons/HR	HYDRATED LIME
P314	QUICKLIME BAGGING [PG]	30.000	Tons/HR	LIME PRODUCTS
P320	CAL-AG SYSTEM [PG]			
P321	MISCELLANEOUS EMERGENCY GENERATORS [PG]			
P322	MINE OPTIMIZATION SYSTEM [PG]			
P322A	KILN 8 STONE HANDLING, RECLAMATION AND PROCESSING			
P323	KILN 8 PROCESSED STONE HANDLING			
P324	KILN 8 LKD HANDLING, LOADING AND STORAGE			
P325	KILN 8 LIME HANDLING, PROCESSING AND STORAGE			
P326	KILN 8 LIME LOADING			
P328	KILN 8 EMERGENCY GENERATOR	3.400	Gal/HR	Diesel Fuel
P403	KILN 7 LKD HANDLING [PG]			
P404	COPRODUCTS PILE [PG]			
P406	PLANT ROADS [PG]			
P408	LIME KILN NO. 6 [PG]	50.000	Tons/HR	LIME
P409	KILN 6 & 7 STONE RECLAIM [PG]			
P410	KILN 6 LKD SYSTEM [PG]			
P411	LIME HANDLING [PG]			
P412	FUEL HANDLING KILNS 6 & 7 [PG]			
P413	LIME KILN NO. 7 [PG]	43.750	Tons/HR	LIME
P416	COOLING TOWER [PG]			
P418	LIME KILN NO. 8 [PG]	27.500	Tons/HR	LIME
P515	FLOUR PLANT [CONLIME]			
P520	GLASSHOUSE TRUCK LOADOUT [CONLIME]			
P522	PLANT ROADS [CONLIME]			

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
P601	COLD CLEANING MACHINE (PARTS WASHER) [PG]		
C10	RKP FABRIC COLLECTOR (345-PDC-7745) [BEL]		
C16	SLY FABRIC COLLECTOR [CON-LIME]		
C17	DYNACLONE FABRIC COLLECTOR (CON-LIME)		
C201A	FABRIC COLLECTOR (HYDRATE PROCESS) (400-PDC-7683) [BEL]		
C201D	FABRIC COLLECTOR (HYDRATE PROCESS) (400-PDC-XXX) [BEL]		
C203C	FABRIC COLLECTOR (LIME HANDLING) (345-PDC-7731) [BEL]		
C204B	FABRIC COLLECTOR (LIME PROCESSING) (345-PDC-7763) [BEL]		
C204C	FABRIC COLLECTOR (LIME PROCESSING) (345-PDC-7741) [BEL]		
C205A	FABRIC COLLECTOR (SCREENING & LOADOUT) (507-PDC-7747) [BEL]		
C212	WATER TRUCK [BEL]		
C275A	FABRIC COLLECTOR (STONE, 305-PDC-324)		
C275B	FABRIC COLLECTOR (STONE, 305-PDC-328) [PG]		
C275C	FABRIC COLLECTOR (STONE, 13-PDC-20)		
C306	FABRIC COLLECTOR (PEBBLING HANDLING, 345-PDC-6720)		
C307	FABRIC COLLECTOR (LOWER HANDLING & CRUSHING, 345-PDC-6711)		
C308	WATER CARRYOVER		
C309	FABRIC COLLECTOR (PULV LIME, 505-PDC-6208)		
C310P	PLS FABRIC COLLECTOR (535-PDC-250)		
C310R	ROTARY DRYER FABRIC COLLECTOR (535-PDC-118)		
C311A	HYDRATOR FABRIC COLLECTOR (405-PDC-136)		
C311B	HYDRATED LIME FABRIC COLLECTOR (405-PDC-400)		
C311C	HYDRATED LIME FABRIC COLLECTOR (405-PDC-206)		
C311D	HYDRATED LIME FABRIC COLLECTOR (410-PDC-430)		
C311F	BAGGING SYSTEM BIN VENT COLLECTOR (410-BVE-276)		
C311G	BAGGING SYSTEM FABRIC COLLECTOR (410-PDC-270)		
C313A	ENHANCED HYDRATE FABRIC COLLECTOR NO. 1 (408-PDC-180)		
C313B	ENHANCED HYDRATE FABRIC COLLECTOR NO. 2 (408-PDC-210)		
C313C	ENHANCED HYDRATE FABRIC COLLECTOR NO. 3 (408-PDC-320)		
C313D	ENHANCED HYDRATE FABRIC COLLECTOR NO. 4 (410-PDC-020)		
C313E	ENHANCED HYDRATE FABRIC COLLECTOR NO. 5 (410-PDC-082)		
C313F	ENHANCED HYDRATE FABRIC COLLECTOR NO. 6 (408-RVA-520)		

**SECTION A. Site Inventory List**

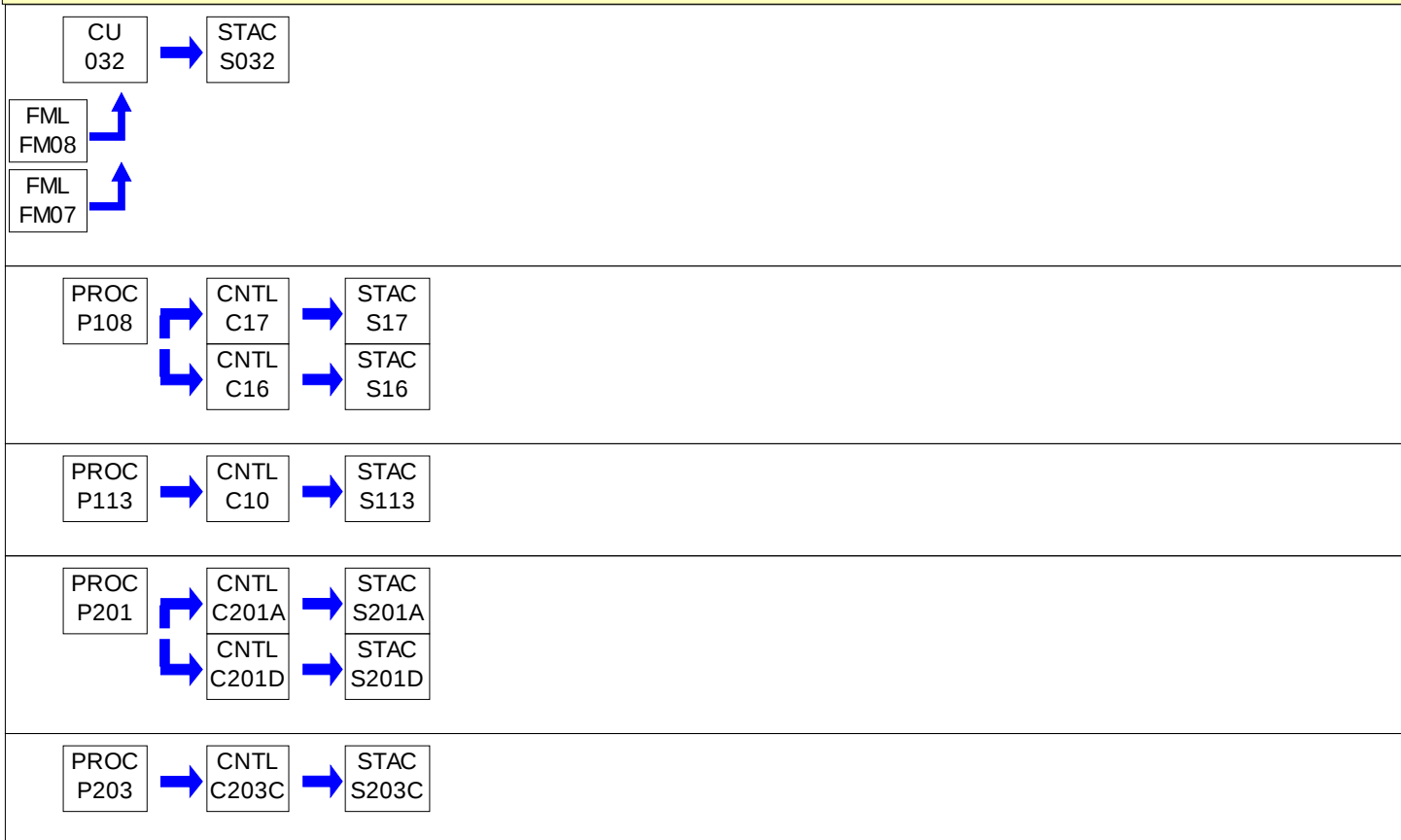
Source ID	Source Name	Capacity/Throughput	Fuel/Material
C314A	BAGGING SYSTEM FABRIC COLLECTOR (385-PDC-926)		
C314B	BAGGING SYSTEM FABRIC COLLECTOR (385-PDC-920)		
C320	CAL-AG WET SUPPRESSION SYSTEM		
C322	FABRIC COLLECTOR (235-PDC-144)		
C322A	KILN 8 STONE HANDLING, RECLAMATION, PROCESSING (305-PDC-258)		
C323	KILN 8 PSH AND LKD (345-PDC-898)		
C325	KILN 8 LIME HANDLING, PROCESSING, STORAGE (345-PDC-570)		
C326	KILN 8 LIME LOADING (345-PDC-560)		
C403	LKD BAGHOUSE (327-PDC-6714)		
C404	COPRODUCTS PILE WET SUPPRESSION SYSTEM		
C406	VACUUM SWEEPER TRUCK/WATER		
C408	LIME KILN 6 FABRIC COLLECTOR (326-PDC-660)		
C409	KILN 6 LIMESTONE FEED BAGHOUSE (305-PDC-500)		
C410	KILN 6 LKD BAGHOUSE (305-PDC-510)		
C411A	PULSE JET FABRIC COLLECTOR (345-PDC-500)		
C411B	FABRIC COLLECTOR (345-PDC-510)		
C411C	FABRIC COLLECTOR (345-PDC-520)		
C413A	LIME KILN 7 SEMI-WET SCRUBBER (327-SWS-760)		
C413B	LIME KILN 7 FABRIC COLLECTOR (327-PDC-760)		
C418	KILN NO. 8 BAGHOUSE (328-PDC-870)		
C515	FABRIC COLLECTOR (FLOUR PLANT) [CON-LIME]		
C520	FABRIC COLLECTOR (TRUCK LOADOUT) [CON-LIME]		
C522	WATER TRUCK [CON-LIME]		
FM01	PIPELINE NATURAL GAS SUPPLY TO PG FACILITY		
FM02	BITUMINOUS COAL SUPPLY		
FM03	PETROLEUM COKE SUPPLY		
FM07	NO. 2 FUEL OIL STORAGE		
FM08	PROPANE STORAGE		
FM09	DIESEL FUEL STORAGE		
S032	SPACE HEATER EXHAUSTS		
S113	RKP/MILL COLLECTOR STACK		
S16	TANK TRUCK LOADOUT FABRIC COLLECTOR STACK [CON-LIME]		
S17	HYDRATE TANK AND PEBBLE LIME LOADOUT STACK [CON-LIME]		
S201A	HYDRATE COLLECTOR STACK [BEL]		
S201D	HYDRATE COLLECTOR STACK [BEL]		
S203C	LIME HANDLING COLLECTOR STACK [BEL]		
S204B	LIME PROCESSING COLLECTOR STACK [BEL]		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S204C	LIME PROCESSING COLLECTOR STACK [BEL]		
S205A	SCREENING/LOADOUT COLLECTOR STACK [BEL]		
S275A	FABRIC COLLECTOR 305-PDC-324 STACK		
S275B	FABRIC COLLECTOR 305-PDC-328 STACK		
S275C	FABRIC COLLECTOR 13-PDC-20 STACK		
S306	HANDLING/SCREENING STACK		
S307	CRUSHING/HANDLING COLLECTOR STACK		
S309	LIME PRODUCTION COLLECTOR STACK		
S310P	PLS FABRIC COLLECTOR STACK		
S310R	DRYER FABRIC COLLECTOR STACK		
S311A	HYDRATOR FABRIC COLLECTOR STACK 405-STA-136		
S311B	FABRIC COLLECTOR STACK 410-STA-400		
S311C	FABRIC COLLECTOR STACK 405-STA-206		
S311D	FABRIC COLLECTOR STACK 410-STA-430		
S311F	BIN VENT COLLECTOR STACK 410-BVE-276		
S311G	FABRIC COLLECTOR STACK 410-PDC-270		
S313A	FABRIC COLLECTOR NO. 1 (408-PDC-180) STACK		
S313B	FABRIC COLLECTOR NO. 2 (408-PDC-210) STACK		
S313C	FABRIC COLLECTOR NO. 3 (408-PDC-320) STACK		
S313D	FABRIC COLLECTOR NO. 4 (410-PDC-020) STACK		
S313E	FABRIC COLLECTOR NO. 5 (410-PDC-082) STACK		
S313F	FABRIC COLLECTOR NO. 6 (408-RVA-520) STACK		
S314A	FABRIC COLLECTOR STACK 385-PDC-926		
S314B	FABRIC COLLECTOR STACK 385-PDC-920		
S321	MISC EMERGENCY GENERATORS STACKS		
S322	FABRIC COLLECTOR STACK		
S322A	FABRIC COLLECTOR (305-PD-258) STACK		
S323	FABRIC COLLECTOR (345-PDC-898) STACK		
S325	FABRIC COLLECTOR (345-PDC-570) STACK		
S326	FABRIC COLLECTOR (345-PDC-560) STACK		
S328	ENGINE STACK		
S403	LKD BAGHOUSE STACK		
S408	LIME KILN 6 STACK		
S409	KILN 6 LIMESTONE FEED BAGHOUSE STACK		
S410	KILN 6 LKD BAGHOUSE STACK		
S411A	PULSE JET DUST COLLECTOR STACK		
S411B	FABRIC COLLECTOR STACK		
S411C	FABRIC COLLECTOR STACK		
S413	LIME KILN 7 STACK		
S416	KILN NO. 7 COOLING TOWER		

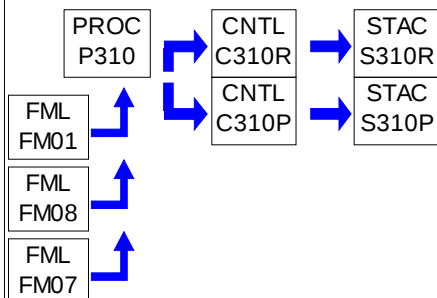
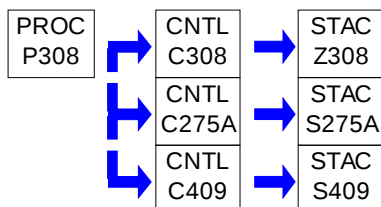
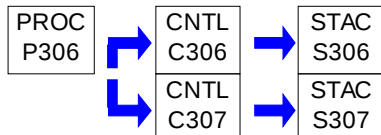
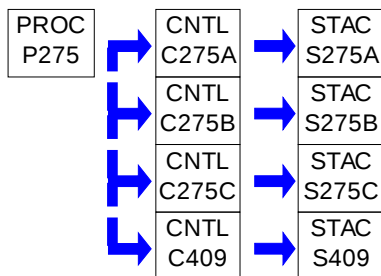
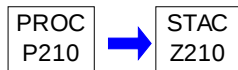
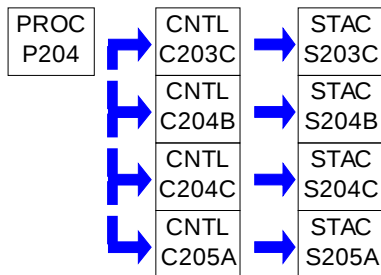
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
S418	KILN NO. 8 STACK		
S515	FLOUR PLANT COLLECTOR STACK [CON-LIME]		
S520	TRUCK LOADOUT COLLECTOR STACK [CON-LIME]		
Z210	TANK EMISSIONS		
Z212	FUGITIVE DUST [BEL]		
Z308	FUGITIVES		
Z320	CAL-AG EMISSIONS		
Z324	FUGITIVES		
Z404	FUGITIVES		
Z406	FUGITIVE DUST		
Z412	FUGITIVES		
Z522	FUGITIVE DUST [CON-LIME]		
Z601	PARTS WASHER EMISSIONS		

PERMIT MAPS

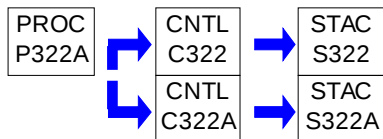
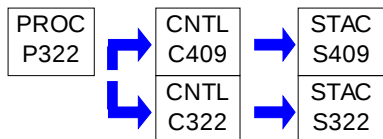
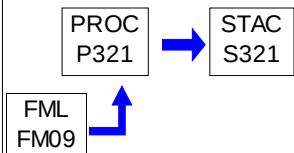
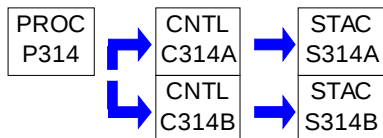
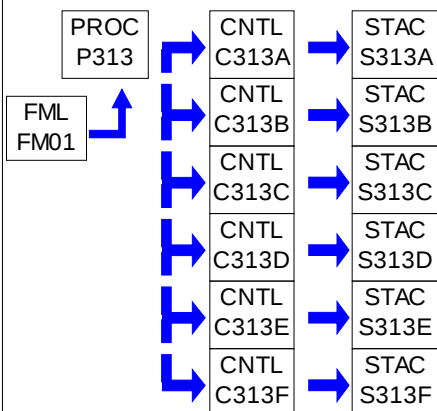
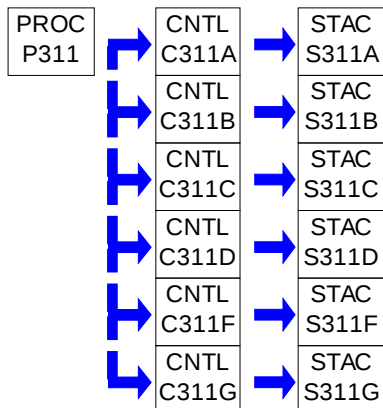


PERMIT MAPS



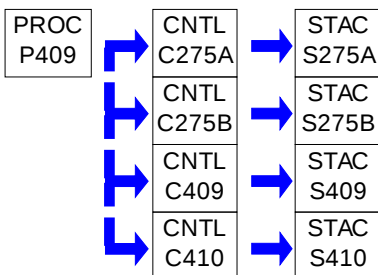
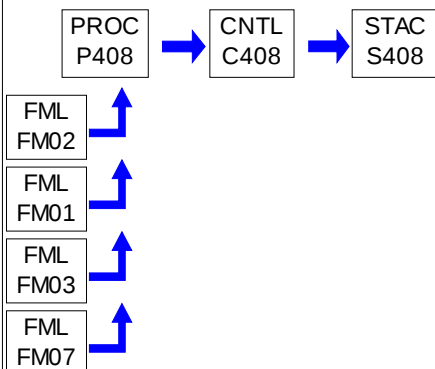
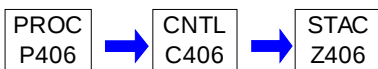
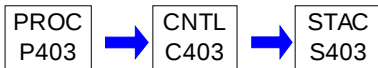
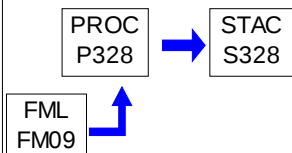
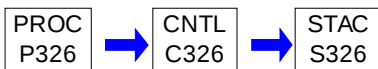
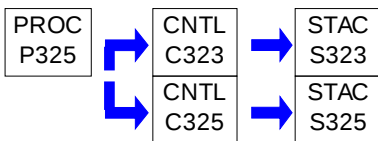
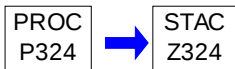


PERMIT MAPS



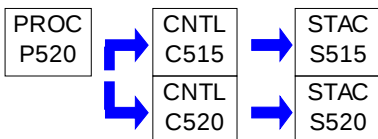
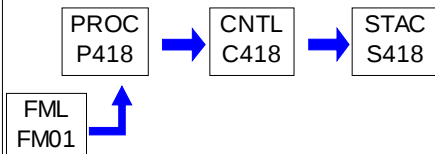
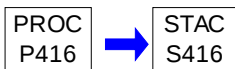
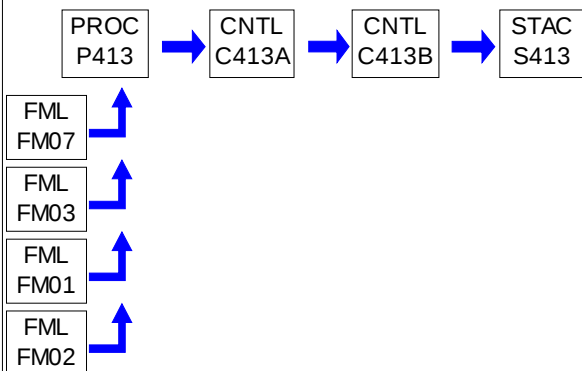
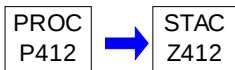
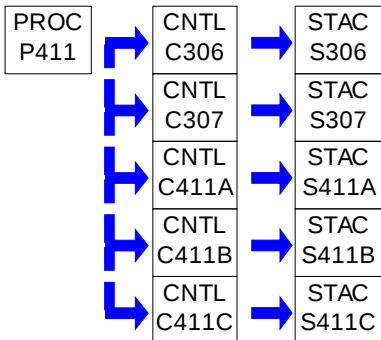
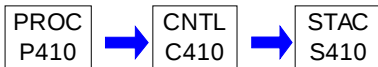


PERMIT MAPS





PERMIT MAPS



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(1) The Department determines that no other change in the permit is necessary;

(2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit

**SECTION B. General Title V Requirements**

responsibility, coverage and liability between the current and the new permittee; and,

(3) A compliance review form has been submitted to the Department and the permit transfer has been approved by the Department.

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

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

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

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

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

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

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

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

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

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

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

(1) Enforcement action

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

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

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

#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]**Duty to Provide Information**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements****#013 [25 Pa. Code § 127.522(a)]****Operating Permit Application Review by the EPA**

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

R3_Air_Apps_and_Notices@epa.gov

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

#014 [25 Pa. Code § 127.541]**Significant Operating Permit Modifications**

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

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

**SECTION B. General Title V Requirements****#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]****Fee Payment**

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

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

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

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

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

- (1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.
- (2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.
- (3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

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

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

- (1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.
- (2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

- (1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.
- (2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.
- (3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of

**SECTION B. General Title V Requirements**

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

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

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

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

(1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.

(2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

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

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

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

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

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

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

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

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

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

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this

**SECTION B. General Title V Requirements**

permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

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

#024 [25 Pa. Code § 127.513]**Compliance Certification**

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

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

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

#025 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

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

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

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

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

**SECTION B. General Title V Requirements****#026 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]****Reporting Requirements**

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

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

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

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

#027 [25 Pa. Code § 127.3]**Operational Flexibility**

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
- (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
- (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:
- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
 - (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If the Title V facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.
- (f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:
- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.
 - (2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

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

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

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

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

- (1) The applicable requirements are included and are specifically identified in this permit.
- (2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

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

- (1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.
- (2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

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(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) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.

(8) Sources and classes of sources other than those identified in paragraphs (1)-(7), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

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

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

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in #001 (a)(1)-(8) above if such emissions are visible at the point the emissions pass outside the person's property.

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

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

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

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

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

The 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).

(4) When arising from the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

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

The emissions of volatile organic compounds (VOCs) shall not equal or exceed 50 tons in any 12 consecutive month period, on a combined, facility-wide total basis.

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

The fuel sulfur content of all shipments of the No. 2 or lighter fuel oil fired within a source shall be less than equal to 15 ppm sulfur by weight (0.0015%). In addition, the No. 2 or lighter fuel oil used by the permittee shall be virgin fuel to which no waste oil or other waste materials have been added.

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

Visible emissions may be measured using either of the following:

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

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

(a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One electronic copy shall be sent to the Northcentral Regional Office (ra-epncstacktesting@pa.gov) and one electronic copy shall be sent to the PSIMS Administrator in Central Office (ra-epstacktesting@pa.gov). Test protocols for continuous monitoring systems shall be submitted via the CEMDPS*Online. Test protocols shall meet all applicable requirements specified in 25 Pa. Code Chapter 139, relating to sampling and testing, including but may not be limited to the most current versions of the Department's Source Testing Manual and FAQs document.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring.

(c) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.

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

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

(e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

(g) Pursuant to 25 Pa. Code § § 139.53(a)(1) and 139.53(a)(3), electronic copies of all submittals, besides notifications, shall be sent to the Northcentral Regional Office, with deadlines verified. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. Email addresses are provided in the paragraph (a), above.

(h) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are

**SECTION C. Site Level Requirements**

followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

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

If, at any time, the Department has cause to believe that air contaminant emissions from any of the sources authorized herein are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the Department may require the permittee to conduct tests deemed necessary by the Department to determine the actual emission rate(s). The permittee shall perform such tests in accordance with applicable provisions of 25 Pa. Code, Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department within one hundred and eighty (180) days of the date the Department notifies the permittee, in writing, of the testing requirement.

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

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

011 [25 Pa. Code §139.11]**General requirements.**

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

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

- (1) A thorough source description, including a description of any air cleaning devices and the flue,
- (2) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature, and other conditions which may affect emissions from the source,
- (3) The location of sampling ports,
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO₂, O₂ and N₂), static and barometric pressures,
- (5) Sample collection techniques employed, including procedures used, equipment descriptions, and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met,
- (6) Laboratory procedures and results,
- (7) Calculated results.

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

[Authority is also derived from 25 Pa. Code section 127.511]

(a) The permittee shall conduct site walk-around inspections on each of the Bellefonte, Con-Lime, and Pleasant Gap plants, at least once per day, during daylight hours, while the plant is in operation, to detect for the presence of visible emissions, visible fugitive emissions, and malodorous air contaminants that may be occurring.

**SECTION C. Site Level Requirements**

- (b) The site walk-around inspections shall be conducted by personnel with visible observer training.
- (c) The permittee shall initiate an investigation or take corrective action at the conclusion of the observation for any visible emissions, fugitives or malodorous air contaminants which have the potential to exceed the applicable regulatory requirements and restrictions herein.
- (d) Daily site walk-around inspections of the Pleasant Gap plant for the presence of visible emissions and fugitives may be performed in conjunction with video surveillance and other Department-approved alternative monitoring that is periodically performed throughout a plant operating day by trained operating personnel to verify compliance on an ongoing basis with the applicable restrictions herein.

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

[Authority is also derived from 25 Pa. Code section 127.511]

- (a) The permittee shall maintain and make available, upon request by the Department, records of the monthly total VOC emissions calculations for each emission unit in operation and located at facility, their 12-month rolling sum totals, as well as the facility's combined totals to verify VOC emissions continue to be minor and less than 50 tons in any 12 consecutive month period.
- (b) The records, required monitoring and any background information used to derive reported values shall be kept for at least a five (5) years.

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

[Authority is also derived from 25 Pa. Code section 127.511]

The permittee shall maintain and make available, upon request by the Department, hardcopy or electronic records of the date of each site walk-around plant performed, and the results, the conditions under which the visual observations were made and shall provide evidence indicating proof of current visible observer training, as well as any other monitoring information as required under the recordkeeping requirements specified within section B herein.

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

[Authority is also derived from 25 Pa. Code section 127.511]

- (a) The permittee shall maintain and make available, upon request by the Department, records of fuel certification reports obtained yearly from all the fuel suppliers associated with the sources authorized herein. The reports shall contain the name of the fuel supplier and other supporting info to verify compliance.
- (b) All SO_x including but not limited to SO₂ compliance testing and monitoring reports shall follow all applicable provisions of 25 Pa. Code Chapter 139 and/or other state and federal air quality regulatory requirements. If there is a conflict between applicable requirements, the more stringent one applies, to the permittee, by default.
- (b) The above records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

- (a) The permittee shall maintain and make available, upon request by the Department, records of the quarterly inspections and maintenance performed on Pleasant Gap's baghouses and continuous differential pressure instrumentation in accordance with the applicable Title V permit general recordkeeping requirements within section B herein.
- (b) Work practices. All fabric collectors (baghouses) associated with this facility shall be installed and operated in accordance manufacturer specifications and good operating practices.

**SECTION C. Site Level Requirements**

(c) Required continuous differential pressure monitoring for the Pleasant Gap plant's fabric collectors shall each include alarms to alert trained personnel of a sensor malfunction as well as for any low and/or high differential pressures except as noted in (d) below.

(d) Depending on the Pleasant Gap plant's fabric collector device, it may not be subject to both high and low differential pressure limits/alarms as further detailed within section E, herein.

(e) The permittee shall generate and maintain records of monitoring malfunctions and associated downtime periods. Monitoring malfunctions are 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.

V. REPORTING REQUIREMENTS.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.442 and 127.511]

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

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

(c) The report shall describe the following:

1. name, permit or authorization number, and location of the facility,
2. nature and cause of the malfunction, emergency or incident,
3. date and time when the malfunction, emergency or incident was first observed,
4. expected duration of excess emissions,
5. estimated rate of emissions,
6. corrective actions or preventative measures taken.

(d) Except as reported to the Department in accordance with 25 Pa. Code Chapter 139 and the Department's Continuous Source Monitoring Manual, any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

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

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

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if

**SECTION C. Site Level Requirements**

the annual emissions inventory report is required by permit or authorization.

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

Pursuant to 40 CFR Sections 60.4 and 63.13, the submission of all requests, reports, applications, submittals, and other communications required by 40 CFR Parts 60 or 63 shall be submitted to both the U.S. Environmental Protection Agency and the Department. The US EPA copies may be sent to the address below unless otherwise required to be submitted into US EPA's CEDRI or other electronic database by the underlying reporting requirement in lieu of hard-copies:

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

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

[Authority is also derived from 25 Pa. Code section 127.511]

(a) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in Condition #026 of Section B, General Title V Requirements, no later than September 1 (for July of the previous year through June of the current year). Submission requirements are specified in section B, condition #022 of this permit or other submission procedures may otherwise be approved in writing by the Department via letter.

(b) The permittee shall submit the semiannual reports of required monitoring to the Department, as specified in Condition #025 of Section B, General Title V Requirements, no later than September 1 (for January through June) and March 1 (for July through December of the previous year). Submission requirements are specified in section B, condition #022 of this permit or other submission procedures may otherwise be approved in writing by the Department via letter.

020 [25 Pa. Code §135.21]**Emission statements**

(a) The permittee shall provide the Department with a statement of each stationary source in a form as prescribed by the Department, showing the actual emissions of oxides of nitrogen and volatile organic compounds from the permitted facility for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based.

(b) The annual emission statements are due by March 1 for the preceding calendar year reporting period and shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate. The Emission Statement shall provide data consistent with requirements and guidance developed by the EPA.

(c) 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 Air Pollution Control Act.

021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

The permittee shall submit the following information for new sources that may qualify under the exemption of 40 CFR Section 60.670(d):

(1) For a crusher: the rated capacity (in tons per hour) of the crusher being replaced and the rated capacity of the

**SECTION C. Site Level Requirements**

replacement crusher.

(2) For a conveyor belt: the width of the existing belt being replaced and the width of the replacement belt.

(3) For a screening operation: the total surface area of the top screen of the screening operation being replaced and the total surface area of the top screen of the replacement screening operation.

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

A person responsible for any source specified in #001(a)(1)-(8) above 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.

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

The permittee shall keep on hand a sufficient quantity of spare bags, filters, cartridges, etc. for each baghouse/filter collector device authorized herein in order to be able to immediately replace any bags, filters, cartridges, etc. that require replacement due to deterioration.

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

All trucks which exit the Bellefonte, Con-Lime or Pleasant Gap plant via a public roadway shall be tarped before exiting the plant property so as to prevent particulate matter from becoming airborne.

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

[Authority is also derived from 25 Pa. Code section 127.511.]

(a) For some the nuisance baghouses (fabric collectors) required herein, differential pressure measurements was submitted by the permittee as not being a good indicator of performance during certain process fabric collector startups directly following periods of extended downtime.

(b) Alternative monitoring or recordkeeping shall be in place by the permittee for periods when operating personnel can't rely on continuous differential monitoring to verify compliance with Title V permit monitoring and/or other applicable requirements.

(c) Fabric collector/baghouse startups shall be performed by the permittee in a manner consistent with manufacturer specifications and good operating practice [25 Pa. Code section 127.444].

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

[Authority is also derived from 25 Pa. Code section 127.511]

The permittee shall conduct quarterly inspections and maintenance on the Pleasant Gap instrumentation to ensure proper differential pressure gauge function and communication between local gauge and the computer system, as well as ensure that each monitor used to establish compliance is installed and operated according to the manufacturer's specifications

**SECTION C. Site Level Requirements**

and good operating practices.

VII. ADDITIONAL REQUIREMENTS.**# 027 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

028 [25 Pa. Code §123.31]**Limitations**

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

029 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Pursuant to the Prevention of Significant Deterioration provisions of 40 CFR Sections 52.21 and 25 Pa. Code Section 127.83, the permittee shall notify persons leasing property within the property boundaries of the permittee of the potential for exposure to air not meeting National Ambient Air Quality Standards for SO₂ and CO. The notification shall plainly state that persons occupying the leased property may be exposed to ambient air not meeting national ambient standards including human health standards for SO₂ and CO, the potential short term and long term health effects related to those pollutants, and that the lessees should exercise reasonable care to protect themselves against those potential exposures. The notification must further provide that the lessees understand these potential risks and freely engages in the activities allowed under the lease. The lease shall specify that lessees shall allow onto leased property only those persons related to the conduct of the lessee's business. The notification shall appear in the lease or addendum thereto, and must be acknowledged by the lessees, by signature, and notarized. Copies of notices to lessees and acknowledgements by lessees shall be kept at the plant site for examination by the Department upon request.

030 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall take measures to enforce the plant property line and preclude public access. Measures may include the installation of fencing and gates, and for the portions where these measures are not installed, signage with the message 'No Trespassing,' video cameras and/or security patrols shall be installed and maintained by the permittee.

031 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Pennsylvania DEP is now accepting permit and authorization applications as well as other electronic notices, correspondence, etc. through DEP's Public Submission Page in Greenport. Access the web page below to submit documents: <https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>. Please note that electronic reporting currently submitted through other established means, should continue to be submitted using the previously established procedures, unless otherwise advised by the Department in writing.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

Source ID: 032

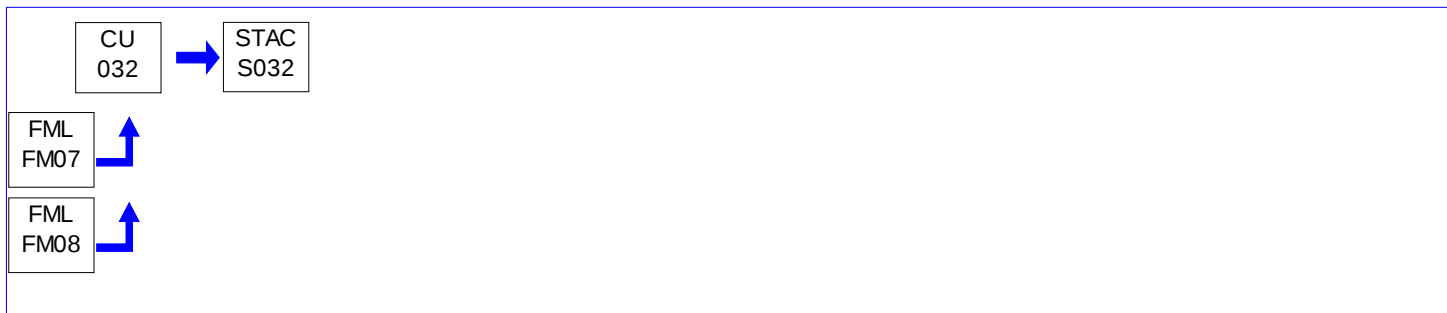
Source Name: COMBUSTION UNITS AND HEATERS AT PG AND BEL

Source Capacity/Throughput:

2.450 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: CO PAL
NOX PAL
RACT
SO2 PAL

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

001 [25 Pa. Code §123.22]

Combustion units

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

Fuel Restriction(s).

002 [25 Pa. Code §123.22]

Combustion units

The combustion units associated with Source ID 032 shall only be operated on No. 2 fuel oil, unless the unit(s) is operated solely on propane or natural gas. The No. 2 fuel oil shall meet the fuel sulfur restrictions as specified in section C herein.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code section 127.511]

The permittee shall maintain and make available, upon request by the Department, records including sufficient info or data to demonstrate to the Department that each of the Source IDs 032 authorized herein meets the SO_x emissions standard within 25 Pa. Code section 123.21 or 123.22, as applicable depending on the source type.

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

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 032 is comprised of the following sources located at the Pleasant Gap plant.

One 0.10 MMBTU/hr Reznor UDAP 350-S fan forced hanging heater in Mobile Shop hydraulic hose room

Two 0.175 MMBTU/hr Reznor VR175 radiant tube heaters in Mobile Shop (Bays 1-2)

One 0.125 MMBTU/hr Re Verber Ray DX2-60-125P radiant tube heater in Mobile Shop (Bays 4-5)

One 0.35 MMBTU/hr Reznor UDAP 350-S fan forced hanging heater in Maintenance Shop

One 0.35 MMBTU/hr Reznor UDAP 350-S fan forced hanging heater in Boiler Building

One 0.20 MMBTU/hr Reznor UDAP 200-S fan forced hanging heater in Hawbaker Building

One 0.060 MMBTU/hr York P3DHB12N05501D hot air furnace in Mine Office

One 0.329 MMBtu/hr Moffitt natural gas-fired heater in Enhanced Hydrate building

Two 0.125 MMBtu/hr Re Verber Ray HL3-30-125P radiant tube heaters in Mobile Shop Wareroom

One 0.080 MMBtu/hr York TG9S080B12MP11B hot air furnace in Mine Office Break Room

Small #2 fuel oil-fired heater (heated pressure washer unit)

Source ID 032 is comprised of the following sources located at the Bellefonte plant.

One 0.165 MMBtu/hr, model F-165 space heater in Change House

One 0.125 MMBtu/hr, model NUGG125EF03 space heater in Carpenter Shop

Source ID 032 is comprised of the following sources located at the Con-Lime plant.

Two Thermo-pride models (removed from service)

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

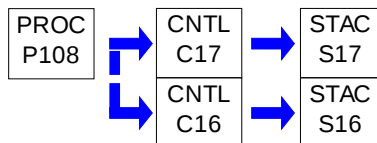
**SECTION D. Source Level Requirements**

Source ID: P108

Source Name: LIME LOAD-OUT AND BAGGING [CONLIME]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: CAM (OTHER PSEU)

**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 Source ID P108 in a manner such that the concentration of particulate matter exceeds 0.04 grain per dry standard cubic foot in the exhaust of ID C16 (S16).

002 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P108 in a manner such that the concentration of particulate matter exceeds 0.04 grain per dry standard cubic foot in the exhaust of ID C17 (S17).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall install and operate instrumentation to monitor the differential pressure of Source ID C16 fabric collector (as required upon a written reactivation submitted and approved by the Department).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall conduct EPA Method 22 testing on Source ID C16 baghouse exhaust (as required upon a written reactivation submitted and approved by the Department).

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information pertaining to Source IDs P108 and C16 in accordance with the recordkeeping requirements in section B herein or as otherwise specified in the applicable requirements (as required upon a written reactivation plan submitted and approved by the Department to verify compliance with all their applicable state and/or federal air quality

**SECTION D. Source Level Requirements**

requirements). If there is a conflict between requirements, the more stringent one applies by default.

V. REPORTING REQUIREMENTS.

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

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

The permittee shall only load trailer tank trucks with the truck load-out system associated with Source ID P108.

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

The permittee shall not operate Source ID P108 while the bags of ID C16 or ID C17 are being cleaned (shaken).

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

The permittee shall never simultaneously load-out to the three (3) bagging stations and the super sack bagging systems.

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

(a) The Source ID P108 equipment authorized below have all been deactivated, including the Source ID C16 and C17 fabric collectors, based on the maintenance plan submitted in April 2020. See section B herein for additional requirements on the reactivation of sources, as applicable.

Super Sack Bagging Bagging Station C17
Bulk Load Hydrate Tank (Silo) #1 Silo C17
Bulk Load Hydrate Tank (Silo) #2 Silo C17
Bulk Load Hydrate Tank (Silo) #3 Silo C17
Bulk Load Hydrate Tank (Silo) #4 Silo C17
Bulk Load Hydrate Tank (Silo) #5 Silo C17
Silo #1, 2, and 5 Pneumatic Feed Pneumatic lines C17
Silo #3 Pneumatic Feed Pneumatic lines C17
Silo #4 Pneumatic Feed Pneumatic lines C17
Silo #3 Screw Conveyor (Hyd. #3) Screw conveyor C17
Silo #1 Screw Conveyor to Silo #2 Conveyor (Hyd. #1) Screw conveyor C17
Silo #2 Screw Conveyor (Hyd. #2) Screw conveyor C17
C16 Screw Conveyor C16 (screw under/part of C16)
Truck Loadout from Silo #2 Screw Conveyor Loading Spout C16
Bucket Elevator #11 Elevator Uncontrolled
25-ton Waste Silo Silo Uncontrolled
Basement Screw #1 Screw conveyor Uncontrolled
Basement Screw #2 Screw conveyor Uncontrolled
Basement Screw #3 Screw conveyor Uncontrolled
Hopper #1 Hopper Uncontrolled
Hopper #2 Hopper Uncontrolled
Hopper #3 Hopper Uncontrolled
Hopper #4 Hopper Uncontrolled
Hopper #5 Hopper Uncontrolled
#3 Bagging Station Bagging station C17

**SECTION D. Source Level Requirements**

#4 Bagging Station Bagging station C17

#5 Bagging Station Bagging station C17

(b) Source ID C16 the Sly Baghouse Dust Collector used to control emissions from the Source ID P108 equipment as specified above.

(c) Source ID C17 the Dynaclone Baghouse Dust Collector used to control emissions from the Source ID P108 equipment as specified above.

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

**SECTION D. Source Level Requirements**

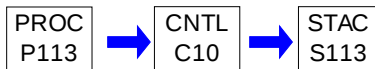
Source ID: P113

Source Name: RKP SYSTEM, #10 RAYMOND MILL [BEL]

Source Capacity/Throughput:

99.000 Lbs/HR

LIME

**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 Source ID P113 in a manner such that the concentration of particulate matter exceeds 0.04 grain per dry standard cubic foot in the exhaust of ID C10 (S113).

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.

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall install and operate instrumentation to monitor the differential pressure of Source ID C10 fabric collector (as required upon a written reactivation plan submitted and approved by the Department).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall conduct EPA Method 22 testing on the Source ID C10 baghouse exhaust (as required upon a written reactivation plan submitted and approved by the Department).

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of the differential pressures, method 22 testing, and other compliance performance monitoring associated with Source IDs P113 and C10 (as required upon a written reactivation plan submitted and approved by the Department to verify compliance with all their applicable state and/or federal air quality 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.**

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

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Source ID P113 equipment authorized below have all been deactivated, including the Source ID C10 fabric collector, based on the maintenance plan submitted in October 2020. See section B herein for additional requirements on the reactivation of sources, as applicable.

Mill feed bin (505-SIL-XXX)

#10 Raymond Mill (505-BOM-7793) with cyclone (505-CYC-XXX)

RKP storage building

(b) ID C10 the 345-PDC-7745 fabric collector used to control the air contaminant emissions from the #10 Raymond Mill located at Bellefonte.

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

**SECTION D. Source Level Requirements**

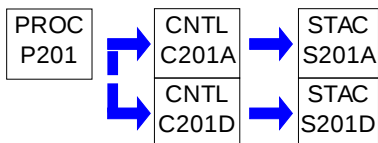
Source ID: P201

Source Name: HYDRATE PROCESS EQUIPMENT [BEL]

Source Capacity/Throughput:

99.000 Lbs/HR

LIME

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

[Additional authority for this permit condition is derived from the conditions of approval, as specified in the RFD dated January 30, 2008]

(a) No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P201 in a manner such that the concentration of particulate matter exceeds 0.02 grain per dry standard cubic foot in the exhaust of ID C201D (S201D).

(b) No person may permit the emission into the outdoor atmosphere of PM-10 from Source ID P201 in a manner such that the concentration of PM-10 exceeds 0.02 grain per dry standard cubic foot in the exhaust of ID C201D (S201D).

[Compliance with the emission restriction of (a) will assure compliance with the applicable emission restriction at 25 Pa. Code Section 123.13]

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

[Additional authority for this permit condition is derived from the RFD approval for addition of the pneumatic transfer line to the east tank]

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P201 in a manner such that the concentration of particulate matter exceeds 0.02 grain per dry standard cubic foot in the exhaust of ID C201A (S201A).

[Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction under 25 Pa. Code Section 123.13]

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

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall install and operate instrumentation to monitor the differential pressure across each Source ID C201A and C201D fabric collectors (as required upon a written reactivation submitted and approved by the Department).

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

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall conduct EPA Method 22 testing on the Source IDs P201, C201A and C201D processing equipment and baghouses (as required upon a written reactivation plan submitted and approved by the Department).

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

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of the differential pressures, method 22 testing, and other compliance performance monitoring associated with Source IDs P201, C201A and C201D (as required upon a written reactivation plan submitted and approved by the Department to verify compliance with all their applicable state and/or federal air quality requirements).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

(a) The Source ID P201 equipment authorized below have all been deactivated, including the Source ID C201A and D fabric collectors, based on the maintenance plan submitted in October 2019. See section B herein for additional requirements on the reactivation of sources, as applicable

415-SCC-7622 Screw conveyor (formerly Screw Conveyor 7 6-11) C201A;
415-SCC-7624 Screw conveyor (Screw Conveyor 8 6-14) C201A;
Pneumatic transfer line to East Tank Transfer C201A;
Pneumatic transfer line to St. Regis Hydrate Bagger Transfer C201D;
400-SIL-XXX Chemical Tank Bin (formerly East Tank - Hydrate Bin) C201D;
400-SIL-XXX Hydrate Tank Bin (formerly West Tank – Hydrate Bin) C201D;
St. Regis Storage Bin (100 ton) Bin C201D;
415-SCC-7636 Screw conveyor (formerly 9" screw 6-11B) C201D;
415-SCC-7674 Screw conveyor (formerly 12" screw St. Regis spillage 6-13B) C201D;
415-SCC-7621 Screw conveyor (formerly 14" screw 6-12) C201D;
Surge Bin to St. Regis Bin C201D;
415-ELE-7616 Bucket elevator (formerly Bucket elevator St. Regis 6-7) C201D;
410-SCC-7683 Screw conveyor (screw under/part of baghouse) C201A;
415-SCC-7673 Screw conveyor (screw under/part of baghouse) C201D;
415-SCC-7623 Screw conveyor (formerly 14" screw 6-13) C201D;
415-SCC-XXX Screw conveyor (formerly 16" screw to truck loadout 6-17) C201D;
415-BAG-7675 Bagging station (formerly one the four spout St. Regis Force-Flo bag packer 6-33A) C201D; and
One Surtorbilt blower system Transfer C201D.

(b) Source ID C201A the 400-PDC-7683 Fabric Collector shall control the emissions from Source ID P201 as specified above.

(c) Source ID C201D the 400-PDC-XXX Fabric Collector shall control the emissions from Source ID P201 as specified above.

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

**SECTION D. Source Level Requirements**

Source ID: P203

Source Name: RAW LIME HANDLING [BEL]

Source Capacity/Throughput:

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

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P203 in a manner such that the concentration of particulate matter exceeds 0.02 grain per dry standard cubic foot in the exhaust of ID C203C (S203C).

[Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction at 25 Pa. Code Section 123.13]

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.**

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall install and operate instrumentation to monitor the differential pressure of Source ID C203C fabric collector (as required upon a written reactivation plan submitted and approved by the Department).

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

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall conduct EPA Method 22 testing on the Source IDs P203 processing equipment and C203C baghouse (as required upon written reactivation plan submitted and approved by the Department).

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

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of the differential pressures, method 22 testing, and other compliance performance monitoring associated with Source IDs P203 and C203C (as required upon a written reactivation plan submitted and approved by the Department to verify compliance with all their applicable state and/or federal air quality 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.**

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

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Source ID P203 equipment authorized below have all been deactivated, including the Source ID C203C fabric collector, based on the maintenance plan submitted in December 2020. See section B herein for additional requirements on the reactivation of Source ID P203, if applicable.

345-BEC-003 Pan conveyor (formerly One Pan Conveyor 5-15A) Enclosure;
345-BEC-002 Pan conveyor (formerly One Pan Conveyor 5-16A) Enclosure;
345-APC-7730 Pan conveyor (formerly 18" Pan Conveyor (5-17A) Enclosure;
345-BEC-001 Pan conveyor (formerly 18" pan conv to No. 4 elevator 5-13A) C203C;
345-DGC-7731 Drag conveyor Enclosure (Newly added omitted erroneously in previous Title V renewal)
345-ELE-7713 Elevator (formerly No. 4 Elevator, Webster 14"x 7" Bucket Elevator 5-3) C203C;
345-DGC-7727 Drag conveyor (formerly Webster Drag Conveyor 5-14A) C203C;
345-SIL-456 Bin (formerly No. 4 Bunker) C203C;
345-SIL-456 Bin (formerly No. 5 Bunker) C203C;
345-SIL-456 Bin (formerly No. 6 Bunker) Enclosure;
345-ELE-7751 Elevator (formerly No. 5 Elevator Webster 14" x 9" bucket 5-4) C203C;
345-ELE-7715 Elevator Enclosure;
Pneumatic transfer lines to Bunker 6 C203C;
345-ELE-7714 Elevator Enclosure;
Pneumatic transfer lines to Bunkers 4 and 5 C203C; and
Rail Unloading (345-HOP-XXX) Boot lift/choke feed

(b) Source ID C203C the 345-PDC-7731 fabric collector used to control emissions from the Source ID P203 equipment as specified above

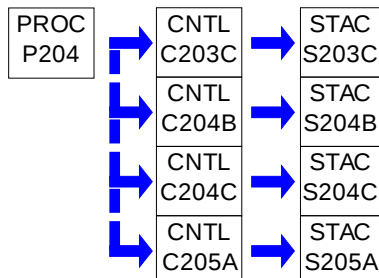
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P204

Source Name: RAW LIME PROCESSING [BEL]

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P204 in a manner such that the concentration of particulate matter exceeds 0.04 grain per dry standard cubic foot in the exhaust of ID C204B (S204B).

002 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P204 in a manner such that the concentration of particulate matter exceeds 0.04 grain per dry standard cubic foot in the exhaust of ID C204C (S204C).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P204 in a manner such that the concentration of particulate matter exceeds 0.02 grain per dry standard cubic foot in the exhaust of ID C205A (S205A). [Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction at 25 Pa. Code Section 123.13]

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P204 in a manner such that the concentration of particulate matter exceeds 0.02 grain per dry standard cubic foot in the exhaust of ID C203C (S203C). [Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction at 25 Pa. Code Section 123.13]

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall install and operate instrumentation to monitor the differential pressure of Source IDs C203C, C204B,

**SECTION D. Source Level Requirements**

C204C and C205A fabric collectors (as required upon a written reactivation plan submitted and approved by the Department).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall conduct EPA Method 22 testing on the Source IDs P204 processing equipment and C203C, C204B, C204C and C205A baghouses (as required upon a written reactivation plan submitted and approved by the Department).

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall keep records of the type of material and any additives stored in the Flow Aid tank associated with Source ID P204.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of the differential pressures, method 22 testing, and other compliance performance monitoring associated with Source IDs P204, C203C, C204B, C204C and C205A (as required upon a written reactivation plan submitted and approved by the Department to verify compliance with all their applicable state and/or federal air quality 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.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The material stored in the Flow Aid tank shall not be treated with any VOC containing additive.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Midwest D30-12 truck loadout spouts of Source ID P204 shall only be used to load tank trucks and open topped trucks fitted with tarps. At no time shall open topped trucks without tarps be loaded with the loadout spout.

VII. ADDITIONAL REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Source ID P204 equipment authorized below have all been deactivated, including the Source IDs C203C, C204B, C204C and C205A fabric collectors, based on the maintenance plan submitted in December 2020. See section B herein for additional requirements on the reactivation of sources, as applicable.

345-BEC-7758 Conveyor (formerly 18" Belt 5-18B) C203C;
345-SCC-7786 Screw conveyor (formerly 5-11D to truck) C204B;
507-SCC-7748 Screw conveyor (formerly 5-11E to rail) C205A;
505-SIL-XXX (200 Ton RKP Bin) Bin Enclosure;

**SECTION D. Source Level Requirements**

345-DRC-7760 Crusher (formerly McLanahan Double Roll Crusher 5-36) C204B;
345-IVS-7759 Screen (formerly Hewitt Robins double Deck, Eliptex Screen 5-21) C204B;
507-SCC-7785 Screw conveyor C204B (Newly added omitted erroneously in Title V renewal);
507-SCC-7749 Screw conveyor C205A (Newly added omitted erroneously in Title V renewal);
LOADING CHUTE 1 Chute C204B (Baghouse);
LOADING CHUTE 2 Chute C204B (Baghouse);
LOADING CHUTE 3 Chute C204B (Baghouse);
LOADING CHUTE 4 Chute C204B (Baghouse);
345-BEC-7754 Belt conveyor (formerly East Shuttle Belt 5-12B) C204B;
345-BEC-7753 Belt conveyor (formerly West Shuttle Belt 5-11B) C204B;
345-ELE-7752 Elevator (formerly 12" Bucket Elevator 5-7) C204C;
Four 60-ton storage bins (truck bunkers) Bin C204C;
BIN1 (Lime Loading Bin) Bin C204B;
BIN2 (Lime Loading Bin) Bin C204B;
BIN3 (Lime Loading Bin) Bin C204B;
BIN4 (Lime Loading Bin) Bin C204B;
75-ton storage tank (Flow aid) and associated pneumatic loading system tank C205A;
Three Midwest D30-12 loadout spouts Loading Spout C204B;
510-SCC-7783 Screw conveyor Enclosure (Inherently part of P204 Bagging Station);
510-SCC-7782 Screw conveyor Enclosure (Inherently part of P204 Bagging Station);
510-SCC-7781 Screw conveyor Enclosure (Inherently part of P204 Bagging Station);
Bagging Station 1 for bagging ground lime and 1/8"x1/2" lime C204B;
Bagging Station 2 for bagging ground lime and 1/8"x1/2" lime C204B;
Bagging Station 3 for bagging pulverized RKP lime C204B; and
Bagging Station 4 for bagging pulverized RKP lime C204B.

(b) Source ID C203C the 345-PDC-7731 fabric collector used to control emissions from the Source ID P204 equipment as specified above.

(c) Source ID C204B the 345-PDC-7763 fabric collector used to control emissions from the Source ID P204 equipment as specified above.

(d) Source ID C204C the 345-PDC-7741 fabric collector used to control emissions from the Source ID P204 equipment as specified above.

(e) Source ID C205A the 507-PDC-7747 fabric collector used to control emissions from the Source ID P204 equipment as specified above.

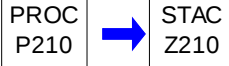
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P210

Source Name: STORAGE TANKS [BEL AND PG]

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

(a) The permittee shall keep a record of the maximum vapor pressure under actual storage conditions of the contents in each of the above ground storage tanks with a capacity equal to or greater than 2,000 gallons, unless it is equipped with a pressure release valve that is set according to the specifications at 25 Pa. Code Section 129.57.

(b) For each tank that is subject to 25 Pa. Code Section 129.57, the permittee shall keep records that demonstrate conformance with the applicable work practice requirements associated with this regulatory requirement.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 002 [25 Pa. Code §129.57]****Storage tanks less than or equal to 40,000 gallons capacity containing VOCs**

The provisions of this section shall apply to above ground stationary storage tanks with a capacity equal to or greater than 2,000 gallons which contain volatile organic compounds with vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions. Storage tanks covered under this section shall have pressure relief valves which are maintained in good operating condition and which are set to release at no less than .7 psig (4.8 kilopascals) of pressure or .3 psig (2.1 kilopascals) of vacuum or the highest possible pressure and vacuum in accordance with state or local fire codes or the National Fire Prevention Association guidelines or other national consensus standards acceptable to the Department.

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

(a) Source ID P210 authorized herein consists of the following above ground storage tanks (ASTs) at Pleasant Gap:

12,000 gal. diesel fuel tank (Kilns)

**SECTION D. Source Level Requirements**

12,000 gal. diesel fuel tank (Mobile Equipment)
12,000 gal. diesel fuel tank (PLS)
2,000 gal. underground gasoline tank
1,000 gal. waste oil tank
1,000 gal. antifreeze tank
2-550 gal. waste oil tanks
4-500 gal. tanks containing hydraulic oil
2-500 gal. tanks containing motor oil
275 gal. tank containing lubricating oil
1-275 (or 300) gallon Steam Jenny diesel oil tank
60 gal. hydraulic oil reservoir
7,500 gal. Enhanced Hydrate additive tank
2-1,000 propane tanks at Mobile Shop
1,000 gal. propane tank at Maintenance Shop
1-500 gal. propane tank at Boiler Building
1-500 gal. propane tank at Hawbaker Building
1,000 gal. propane tank at PLS Plant
1,000 gal. propane tank at Mine Office

(b) Source ID P210 authorized herein consists of the following above ground storage tanks (ASTs) at Bellefonte:

3-220 gallon steel tank of sulfuric acid

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

**SECTION D. Source Level Requirements**

Source ID: P212

Source Name: PLANT ROADS [BEL]

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: P275

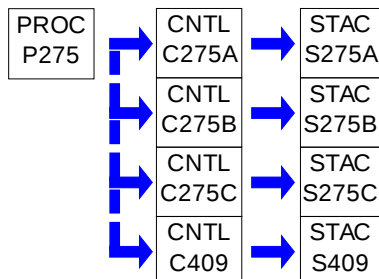
Source Name: CRUSHING/SIZING/STORAGE OPERATIONS [PG]

Source Capacity/Throughput:

99.000 Lbs/HR

LIMESTONE

Conditions for this source occur in the following groups: CAM (OTHER PSEU)

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P275 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C275C (S275C). [Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P275 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C409 (S409). [Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P275 in a manner such that the opacity of the emission at S275B exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P275 in a manner such that the opacity of the emission at S275A exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P275 in a manner such that the opacity of the emission at S275C exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P275 in a manner such that the

**SECTION D. Source Level Requirements**

concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C275A (S275A). [Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P275 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C275B (S275B). [Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P275 in a manner such that the opacity of the emission at S409 exceeds five percent, based on any 6-minute average, block.

II. TESTING REQUIREMENTS.

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

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across each baghouse Source IDs C275B, C275C and C409 to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct quarterly, Method 22 testing on each baghouse exhaust (Source IDs C275B, C275C and C409) for visible emissions, and their respective material handling processing equipment for visible fugitive air contaminants, with no less 30 days in between performances.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information in accordance with the recordkeeping in section B herein or as other specified in the applicable requirements.

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

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

Pursuant to the best available technology requirements of 25 Pa. Code Section 127.1 and 127.12, the air compressor(s) associated with these fabric collectors, IDs C275A, C275B, C275C and C409, shall be equipped with air dryer(s) and oil trap(s), in order to reduce water and contaminants from the compressed air used for their bag cleaning mechanisms.

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

(a) The Source ID P275 stone storage/crushing process and control device equipment in operation at Pleasant Gap:
Stone pile Uncontrolled and accounted for in P406 with respect to emissions

Pile #1 Stone pile Uncontrolled and accounted for in P406 with respect to emissions

Pile #2 Stone pile Uncontrolled and accounted for in P406 with respect to emissions

Pile #3 Stone pile Uncontrolled and accounted for in P406 with respect to emissions

Pile #4 Stone pile Uncontrolled and accounted for in P406 with respect to emissions

Reject Pile

12-SCN-304 Screen 305-PDC-324 C275A/P275

13-F-10 Feeder Enclosure P275

13-F-12 Feeder Enclosure P275

13-F-14 Feeder Enclosure P275

13-F-16 Feeder Enclosure P275

13-F-30 Feeder Enclosure P275

13-F-32 Feeder Enclosure P275

13-F-34 Feeder Enclosure P275

13-F-36 Feeder Enclosure P275

13-F-38 Feeder Enclosure P275

13-F-40 Feeder Enclosure P275

12-BC-308 Belt conveyor 305-PDC-324 C275A/P275

12-BC-310 Belt conveyor 305-PDC-324 C275A/P275

12-BC-312 Belt conveyor 305-PDC-324/13-PDC-20 C275A/275C/P275

12-BC-314 Belt conveyor 305-PDC-324/305-PDC-328 C275A/275B/P275

12-BC-318 Belt conveyor 305-PDC-328 C275B/P275

13-BC-42 Belt conveyor 305-PDC-328 C275B/P275

13-BC-26 Belt conveyor 305-PDC-328/13-PDC-20 C275B/275C/P275

13-BC-320 Belt conveyor 13-PDC-20 C275C/P275

(b) Source ID C275A the 305-PDC-324 Fabric Collector shall control the emissions from Source ID P275 as specified above.

(c) Source ID C275B the 305-PDC-328 Fabric Collector shall control the emissions from Source ID P275 as specified above.

(d) Source ID C275C the 13-PDC-20 Fabric Collector shall control the emissions from Source ID P275 as specified above.

(e) Source ID C409 the 305-PDC-500 Fabric Collector shall control the emissions from Source ID P275 as specified above,

**SECTION D. Source Level Requirements**

as applicable.

014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

The following equipment associated with Source ID P275 are affected sources subject to the Federal Standards of Performance for Nonmetallic Mineral Processing Plants as codified in 40 CFR Part 60 Subpart 000. The permittee shall comply with all applicable requirements pertaining to Source ID P275, as specified in 40 CFR Part 60 sections 60.670 - 60.676.

12-SCN-304, Screen
12-SCN-306, Screen
12-BC-308, Belt conveyor
12-BC-310, Belt conveyor
12-BC-312, Belt conveyor
12-BC-314, Belt conveyor
12-BC-318, Belt conveyor
13-BC-42, Belt conveyor
13-BC-26, Belt conveyor
13-BC-320, Belt conveyor

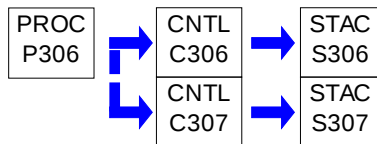
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P306

Source Name: PEBBLE LIME HANDLING AND SCREENING [PG]

Source Capacity/Throughput:

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P306 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C306 (S306).

[Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restriction of 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P306 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C307 (S307).

[Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restriction of 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P306 in a manner such that the opacity of the emission at S306 exceeds five percent based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P306 in a manner such that the opacity of the emission at S307 exceeds five percent based on any 6-minute average, block.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) For each Source ID C306 and C307, the permittee shall conduct Method 22 testing on baghouse exhaust for visible emissions, and their respective material handling processing equipment for visible fugitive air contaminants, using a graduated schedule, such that the frequency of testing may be reduced to semi-annual if no visible emissions are observed in two (2) consecutive quarterly tests and may be reduced to annual if no visible emissions are observed in one (1) semi-annual test.

**SECTION D. Source Level Requirements**

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressure across each Source ID C306 and C307 to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information in accordance with the recordkeeping in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

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

(a) The Source ID P306 pebble lime handling process and control device equipment in operation at Pleasant Gap:

345-BEC-6224 Belt conveyor (Enclosure)

505-BEC-6223 (formerly 345-BEC-6223) Belt conveyor 345-PDC-6720 C306/P306

345-SIL-012 Silo 345-PDC-6720 C306/P306

2 Pebble Loadout Spouts Loading Spout Enclosure P306

345-SIL-011 Silo 345-PDC-6720 C306/P306

345-SIL-021 Silo 345-PDC-6720 C306/P306

345-SIL-022 Silo 345-PDC-6720 C306/P306

345-SIL-6689 Silo 345-PDC-6720 C306/P306

345-SIL-003 Silo 345-PDC-6720 C306/P306

345-SIL-004 Silo 345-PDC-6711 C307/P306

345-SIL-005 Silo 345-PDC-6711 C307/P306

345-SIL-006 Silo 345-PDC-6711 C307/P306

345-SIL-007 Silo 345-PDC-6711 C307/P306

345-SIL-008 Silo 345-PDC-6711 C307/P306

345-SIL-009 Silo 345-PDC-6711 C307/P306

**SECTION D. Source Level Requirements**

In addition, the permittee installed one new gate (345-MPG-XXX) and one new (345-DGC-XXX) associated with Source ID P306, based on the notice dated August 25, 2022, and the supplemental info provided in email correspondence dated November 4, 2022, to facilitate alternative lime storage for kiln 6 lime product(s).

(b) Source ID C306 the 345-PDC-6720 Fabric Collector shall control the emissions from Source ID P306 as specified above.

(c) Source ID C307 the 345-PDC-6711 Fabric Collector shall control the emissions from Source ID P306 as specified above.

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

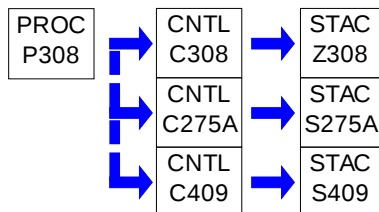
**SECTION D. Source Level Requirements**

Source ID: P308

Source Name: LIMESTONE SCREENING [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: CAM (OTHER PSEU)

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P308 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C275A (S275A). [Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P308 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C409 (S409). [Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P308 in a manner such that the opacity of the emission at S409 exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P308 in a manner such that the opacity of the emission at S275A exceeds five percent, based on any 6-minute average, block.

II. TESTING REQUIREMENTS.

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

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct quarterly, Method 22 testing on each baghouse exhaust (Source IDs C275A and C409) for visible emissions, and their respective material handling processing equipment for visible fugitive air contaminants, with no

**SECTION D. Source Level Requirements**

less 30 days in between performances.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across each baghouse Source IDs C275A, and C409 to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information in accordance with the recordkeeping in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Source ID P308 limestone process and control device equipment in operation at Pleasant Gap:

12-BC-334; Belt conveyor; 305-PDC-500 C409

12-STC-334; Radial stacker; Water carryover/Drop height

Pulverized Stone Pile; Stone piles (one indoor and one outdoor); Water carryover/Enclosure

235-BEC-336 Belt conveyor 305-PDC-500 (replaced 12-VIF-336 Vibratory feeder in January 2016)

12-BEC-338; Belt conveyor; 305-PDC-500

12-BC-332; Belt conveyor; 305-PDC-324 (C275A) / 305-PDC-500 (C409)

(b) Source ID C275A the 305-PDC-324 Fabric Collector shall control the emissions from Source ID P308 as specified above.

(c) Source ID C409 the 305-PDC-500 Fabric Collector shall control the emissions from Source ID P308 as specified above.

(d) Source ID C308 (water carryover) shall control the emissions from Source ID P308 as specified above.

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

The following sources associated with Source ID P308 are subject to the Federal Standards of Performance for Nonmetallic Mineral Processing Plants as codified in 40 CFR Part 60 Subpart OOO. The permittee shall comply with all applicable requirements pertaining to these sources, as specified in 40 CFR Part 60 Sections 60.670 - 60.676.

12-BC-334, Belt conveyor
12-STC-334, Radial stacker
12-BEC-336, Belt conveyor
12-BEC-338, Belt conveyor
12-BC-332, Belt conveyor

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

**SECTION D. Source Level Requirements**

Source ID: P309

Source Name: PULVERIZED LIME PRODUCTION [PG]

Source Capacity/Throughput:

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P309 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C309 (S309).

[Compliance with the emission restriction in this permit condition assures compliance with the applicable applicable emission restriction of 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P309 in a manner such that the opacity of the emission at S309 exceeds five percent based on any 6-minute average, block.

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

The permittee shall not permit the throughput to exceed 100,000 tons of additional lime (AOD) in 12 consecutive month period as per the RFD 9729 submitted in or around July 21, 2022.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across each baghouse Source ID C309 to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct Method 22 testing on baghouse exhaust for visible emissions (Source ID C309), and its respective material handling processing equipment and/or associated building for visible fugitive air contaminants, using a graduated schedule, such that the frequency of testing may be reduced to semi-annual if no visible emissions are observed in two (2) consecutive quarterly tests and may be reduced to annual if no visible emissions are observed in one (1) semi-annual test.

**SECTION D. Source Level Requirements**

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

In addition, the permittee shall maintain monthly records of the total throughput of AOD, expressed as tons, on 12-month rolling sum basis, to verify compliance, along with the supporting information used to establish compliance in accordance with the recordkeeping requirements in section B herein.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information in accordance with the recordkeeping in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

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

(a) The belt conveyors, bucket elevator, hammermill, screens, storage bins and all material transfer chutes incorporated in Source ID P309 shall be equipped with enclosed housings or shall otherwise be tightly enclosed.

(b) Only tank trucks or trucks with enclosed tops shall be loaded with the loadout spouts.

(c) Whenever a truck is being loaded, all truck hatches except the one through which loading is taking place shall remain closed.

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

(a) Source ID P309 consists of the following pulverized other lime handling process and control device equipment:

505-SIL-118; Silo; 505-PDC-6208
505-SIL-028; Silo; 505-PDC-6208
505-SIL-027; Silo; 505-PDC-6208
505-IVS-6203; Screen; 505-PDC-6208
505-IVS-6202; Screen; 505-PDC-6208
505-ELE-6204; Elevator; 505-PDC-6208
505-ICR-6201; Hammermill; 505-PDC-6208
505-LSP 6213; Loading Spout; 505-PDC-6208
505-LSP 6214; Loading Spout; 505-PDC-6208
Associated transfer chutes; Chute; 505-PDC-6208
Fines blow-back system 505-BLO-6216; Blower; 505-PDC-6208
505-VIF-6207; Vibratory Feeder; 505-PDC-6208
505-VIF-6206; Vibratory Feeder; 505-PDC-6208
505-SCC-106; Screw conveyor

**SECTION D. Source Level Requirements**

505-SIL-120; Silo; 505-PDC-6208
Pulverizer Separators; 505-PDC-6208
Four (4) Truck Blow Off Pipes; Pipes; 505-PDC-6208

In addition, the system, or portion of, was modified to install a new chute at an existing multi-position gate (at 345-MPG-729); install a new chute at the existing lime fines elevator (505-ELE-6204/345-ELE-204); remove existing belt conveyor; install (345-LSP-213 and 345-LSP-214 as replacements); install a new multi-position gate (345-MPG-715); and reroute fines from the P309 system dust collector (C309/505-PDC-6208/345-PDC-208) to be pneumatically blown from the dust collector screw conveyor to Silo 6, rather than Silo 27 or 28, based on the notice dated January 26, 2022, to provide for additional alternative storage and loadout for the AOD pebble lime (Source ID P309 throughputs), in addition to Bay 1 (Source ID P306/P411 throughputs).

(b) Source ID C309 the 345-PDC-208 (505-PDC-6208) Fabric Collector shall control the emissions from Source ID P309 as specified above.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The project submitted by RFD 9729 on around July 21, 2022, including 345-MPG-429 (transfer), 345-IVS-202&203 (screening), 345-BEC-205 (transfer), 345-SIL-027&028 (transfer/enclosed storage), 345-LSP-213&214 (loading), 345-SCC-106 (transfer), 345-SIL-118&120 (transfer/enclosed storage), 345-VIF-206&207 (transfer), 345-RCR-201 (crushing), 345-ELE-204 (transfer) and any other associated process, shall be carried out in accordance with all the specifications other info provided to the Department and satisfy all applicable regulatory requirements within 25 Pa. Code Chapters 121 through 145.

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

**SECTION D. Source Level Requirements**

Source ID: P310

Source Name: PULVERIZED LIMESTONE SYSTEM [PG]

Source Capacity/Throughput: 10.000 MMBTU/HR

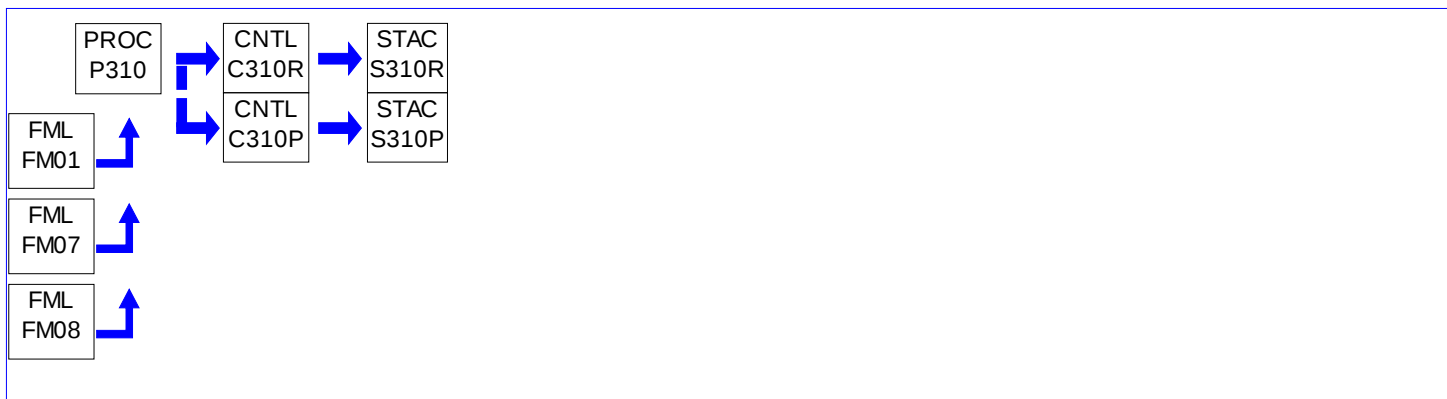
Conditions for this source occur in the following groups: CAM (OTHER PSEU)

CO PAL

NOX PAL

RACT

SO2 PAL

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

Pursuant to 25 Pa. Code Section 123.21(b), no person may permit the emission into the outdoor atmosphere of sulfur oxides, from the rotary dryer associated with Source ID P310 in a manner that the concentration of sulfur oxides, expressed as SO₂, in the effluent gas released from S310R exceeds 500 parts per million, by volume, dry basis.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P310 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C310R (S310R).

[Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction as specified in 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P310 in a manner such that the opacity of emission at S310R exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P310 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C310P (S310P).

[Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restriction as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the

**SECTION D. Source Level Requirements**

emission into the outdoor atmosphere of visible air contaminants from Source ID P310 in a manner such that the opacity of emission at S310P exceeds five percent, based on any 6-minute average, block.

[Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restriction as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the NO_x emissions from the rotary dryer shall not exceed 0.20 pound per MMBtu of heat input.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the CO emissions from the rotary dryer shall not exceed 0.17 pound per MMBtu of heat input.

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

The transfer point from the cleanup chute to 535-BEF-016 conveyor shall be enclosed to prevent visible fugitive emissions at all times.

Fuel Restriction(s).**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the rotary dryer is capable of being fired on No. 2 fuel oil and pipeline quality natural gas. Propane may be used for ignition purposes.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the sulfur content of the No. 2 fuel oil fired in the rotary dryer shall not exceed 0.2% by weight, and the No 2 fuel oil shall not contain any reclaimed or waste oil or any other waste materials.

II. TESTING REQUIREMENTS.

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

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

[Authority is also derived from 25 Pa. Code Section §127.511.]

The permittee shall, every three years, measure the concentrations in the effluent stream of NO_x and CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable analyzer as long as it is calibrated and operated according to the manufacturer's recommendations, the procedures specified in ASTM D-6522, and the following requirements:

- (i) The portable analyzer shall undergo factory laboratory calibration and cleaning every three years.
- (ii) The portable analyzer shall have on-site calibration checks using certified calibration gases demonstrating the analyzer accuracy requirements specified in ASTM D-6522.
- (iii) In order to verify emissions, the owner or operator shall conduct three, 20-minute test runs recording emissions data at least once each minute.
- (iv) Depending on concentrations observed, fresh air purges should be performed according to manufacturer's

**SECTION D. Source Level Requirements**

recommendations.

(v) Re-zeroing of the portable analyzer should be performed according to manufacturer's recommendations or at least before every test run.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Monitoring of operations.

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct quarterly, Method 22 testing on each baghouse exhaust (Source ID C310P) for visible emissions, and its respective material handling processing equipment and/or associated building for visible fugitive air contaminants, with no less 30 days in between performances.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

IV. RECORDKEEPING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall keep records of the date and time of each flushing and sweeping of the paved roads that lead to the PLS location.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code Section §127.511.]

The permittee shall maintain and make available, upon request by the Department, records of the work practice standards which shall, at a minimum, include the following:

- (i) The concentrations of NO_x and CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the small combustion source;
- (ii) A description of any corrective actions taken as part of the tune-up;
- (iii) The date(s) the annual tune-up/inspection was conducted;
- (iv) The factory calibration certification sheets for the portable analyzer; and
- (v) The type and amount of fuel used over the 12 months prior to the tune-up

015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Reporting and recordkeeping.

The permittee shall maintain and make available, upon request by the Department, records of each quarterly inspection done on Source ID C310P, in a logbook (written or electronic format), including dates, 30-minute Method 22 observation results and any other required Title V permit recordkeeping within section B, herein. The permittee shall keep the logbook onsite for a period of at least five (5) years and shall make records available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the permittee shall keep and maintain an operable water truck onsite to flush and sweep the paved roadway(s) leading to the PLS at a reasonable

**SECTION D. Source Level Requirements**

frequency to prevent particulate matter from becoming airborne.

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

The permittee shall conduct annual tune-ups/inspections on the Source ID P310 stone dryer with no more than 12 months between each performance. At a minimum the tune-up/inspection shall consist of the following:

- (i) As applicable, inspect the burner, and clean or replace any components of the burner as necessary.
- (ii) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available.
- (iii) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly.
- (iv) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with the NOX requirement to which the small combustion unit is subject.

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

(a) Source IDs P310 authorized herein consists of the following process and control device equipment:

535-LSP-222; Loading Spout; 535-PDC-250
535-SIL-222; Silo; 535-PDC-250
535-SCC-250; Screw conveyor; 535-PDC-250
535-LSP-208; Loading Spout; 535-PDC-250
535-SIL-208; Silo; 535-PDC-250
535-HAM-212; Crusher; 535-PDC-250
535-IVS-212; Screen; 535-PDC-250
535-SEP-204; Separator; 535-PDC-250
535-IVS-210; Screen; 535-PDC-250
535-SCC-116; Screw conveyor; 535-PDC-250
535-SCC-106; Screw conveyor; 535-PDC-250
535-BEF-016; Belt Feeder; 535-PDC-250
535-SCC-018; Screw conveyor; 535-PDC-250
535-BEC-010; Belt conveyor; 535-PDC-250 (tunnel ventilation)
535-BEF-002; Belt Feeder; 535-PDC-250 (tunnel ventilation)
535-SCC-118; Screw conveyor; 535-PDC-118
535-RDR-104; Rotary Dryer; Low NOx Burner/535-PDC-118
535-ELE-216; Elevator; 535-PDC-250
535-ELE-207; Elevator; 535-PDC-250
535-ELE-200; Elevator; 535-PDC-250
535-SIL-240; Silo; 535-PDC-250
535-SCC-240; Screw conveyor; 535-PDC-250
535-SCC-241; Screw conveyor; 535-PDC-250
535-LSP-014; Loading Spout; 535-PDC-250
Cleanup Chute

(b) Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, ID C310P is a, IAC model MAC 120-RPT-224, fabric collector that is referenced above as 535-PDC-250 and shall control air contaminant emissions as specified above.

(c) Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, ID C310R is a, IAC

**SECTION D. Source Level Requirements**

model MAC 120-LST-144, fabric collector that is referenced above as 535-PDC-118 and shall control air contaminant emissions as specified above.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, all conveyors, the three bucket elevators, the mechanical separator, the screen, the hammermill, the three silos, the surge bin the four truck loadouts and the interconnections between this equipment shall be fully enclosed (except for entrance and exit) and sealed such that particulate matter does not leak from the enclosed equipment and interconnections.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the permittee shall maintain the paved portions of road that lead to the PLS location.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the rotary dryer shall be equipped with a Coen or Aecometric low-NOx burner (or equivalent burner as determined and approved by the Department) with two-stage rich/lean combustion.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the air compressor(s) supplying air to these fabric collectors, (C310P and R), shall be equipped with air dryer(s) and oil trap(s), in order to reduce water and contaminants from the compressed air used in the bag cleaning apparatus.

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

The project submitted by RFD 8900 on around January 26, 2021, to install and operate a new dump gate at screw conveyor 535-SCC-106 associated with Source ID P310 shall be carried out in accordance with the specifications other info provided to the Department.

024 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

The following sources associated with Source ID P310 are subject to the Federal Standards of Performance for Nonmetallic Mineral Processing Plants as codified in 40 CFR Part 60 Subpart 000. The permittee shall comply with all applicable requirements pertaining to these sources, as specified in 40 CFR Part 60 Sections 60.670 - 60.676.

535-LSP-222, Loading Spout

535-SIL-222, Silo

535-PDC-250, Dust Collector

535-LSP-208, Loading Spout

535-SIL-208, Silo

535-HAM-212, Crusher

535-IVS-212, Screen

535-IVS-210, Screen

535-BEF-016, Belt Feeder

535-BEC-010, Belt conveyor

535-BEF-002, Belt Feeder

535-ELE-216, Elevator

535-ELE-207, Elevator

535-ELE-200, Elevator

535-SIL-240, Silo

535-LSP-014, Loading Spout

**SECTION D. Source Level Requirements**

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

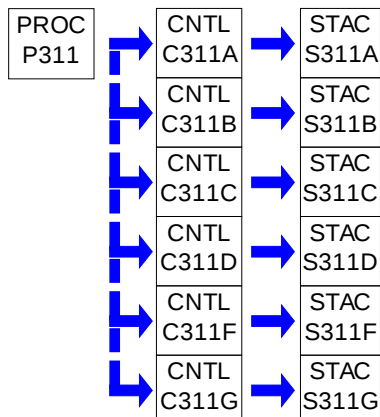
**SECTION D. Source Level Requirements**

Source ID: P311

Source Name: STANDARD HYDRATE SYSTEM [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: CAM (OTHER PSEU)

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P311 in a manner such that the concentration of particulate matter exceeds 0.02 grain per dry standard cubic foot in the exhaust of ID C311A (S311A).

[Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction as specified in 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P311 in a manner such that the opacity of the emission at S311B exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P311 in a manner such that the opacity of the emission at S311C exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P311 in a manner such that the opacity of the emission at S311D exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P311 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C311C (S311C).

[Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction as specified in 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P311 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C311D (S311D).

[Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction as specified in 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P311 in a manner such that the opacity of the emission at S311A exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P311 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C311B (S311B).

[Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction as specified in 25 Pa. Code Section 123.13]

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

[Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction as specified in 25 Pa. Code Section 123.13.]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter (PM/PM10/PM2.5) from Source ID P311 in a manner such that the concentration of particulate matter exceeds 0.005 grain per dry standard cubic foot in the exhaust of ID C311G (S311G).

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

[Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction as specified in 25 Pa. Code Section 123.13.]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter (PM/PM10/PM2.5) from Source ID P311 in a manner such that the concentration of particulate matter exceeds 0.005 grain per dry standard cubic foot in the exhaust of ID C311F (S311F).

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P311 in a manner such that the opacity of the emission at S311G exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P311 in a manner such that the opacity of the emission at S311F exceeds five percent, based on any 6-minute average, block.

II. TESTING REQUIREMENTS.

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

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across each baghouse Source IDs Source ID C311B, C311C and C311D to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C311F to verify that valid readings are being measured, and daily averages are being maintained above 0.1 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(c) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C311G to verify that valid readings are being measured, and daily averages are being maintained above 1.0 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(d) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) For each Source IDs C311B, C311C, C311D, C311F and C311G authorized herein, the permittee shall conduct Method 22 testing on baghouse exhaust for visible emissions, and their respective material handling processing equipment for visible fugitive air contaminants, using a graduated schedule, such that the frequency of testing may be reduced to semi-annual if no visible emissions are observed in two (2) consecutive quarterly tests and may be reduced to annual if no visible emissions are observed in one (1) semi-annual test.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

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

The permittee shall keep records of the date and time of roadway(s) watering, which includes the roads that lead to the hydrated lime loadout locations.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information in accordance with the recordkeeping in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to 25 Pa. Code Section 123.1, the permittee shall keep and maintain an operable water truck onsite to water the roads that lead to the hydrated lime loadout locations, on a reasonable frequency basis to the extent particulate matter does not become airborne.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, volume displaced during the loading of trucks shall be returned to hydrated lime storage bin, 410-SIL-412, via a truck blow off pipe.

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

The permittee shall inspect bin vent collector C311F and fabric collector C311G and perform necessary repairs and/or bag replacements on the control device if its pressure drop is outside the fabric collector's design pressure range.

VII. ADDITIONAL REQUIREMENTS.**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The air compressor(s) supplying air to the ID C311A, C311B, C311C, C311D, C311F and C311G fabric collectors shall be equipped with air dryer(s) and oil trap(s) in order to reduce water and contaminants from the compressed air used in the bag cleaning apparatus.

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

(a) Source IDs P311 authorized herein consists of the following sources in list below as follows, Source/Company Designation, Type of Source, Control Device Designation, where applicable:

405 SCC 126; Screw conveyor; 405-PDC-136

405 SCC 125; Screw conveyor; 405-PDC-136

405 HYD 138; Hydrator; 405-PDC-136

410-SCC-142; Screw conveyor; 405-PDC-206

405-SEP-144; Separator; 405-PDC-206

405-SCC-140; Screw conveyor; 405-PDC-206

405-ELE-142; Elevator; 405-PDC-206

405-CYC-146 through 149; Cyclone; 405-PDC-206

410- SCC -400; Screw conveyor; 405-PDC-400

410-TRV-6639; Cyclone; 405-PDC-400

410-TRV-6638; Cyclone; 405-PDC-400

Blow off pipe to 405-SIL-106; Blowoff pipe; 405-PDC-400

410-LSP-414; Loading Spout; 405-PDC-400

410-ELE-6635; Elevator; 405-PDC-400

410-ELE-502; Elevator; 405-PDC-400

405-SIL-414; Silo; 405-PDC-400

405-SIL-408; Silo; 405-PDC-400

405-SIL-106; Silo; 405-PDC-400

405-SEP-6641; Separator; 405-PDC-400

405-SEP-6640; Separator; 405-PDC-400

405-SCC-6633; Screw conveyor; 405-PDC-400

405-SCC-506; Screw conveyor; 405-PDC-400

405-SCC-216; Screw conveyor; 405-PDC-400

405-SCC-214; Screw conveyor; 405-PDC-400

405-SCC-210; Screw conveyor; 405-PDC-400

405-SCC-208; Screw conveyor; 405-PDC-400

405-SCC-206; Screw conveyor; 405-PDC-400

405-SCC-202; Screw conveyor; 405-PDC-400

**SECTION D. Source Level Requirements**

405-HAM-6643; Crusher ; 405-PDC-400
405-HAM-6642; Crusher ; 405-PDC-400
405-ELE-6679; Elevator; 405-PDC-400
405-BIN-6682; Bin; 405-PDC-400
405-BIN-6681; Bin; 405-PDC-400
Blow off pipe to 405-SIL-412; Blowoff pipe; 410-PDC-430
410-SCC-430; Screw conveyor; 410-PDC-430
410-SCC-412 ("densification screw"); Screw conveyor; 410-PDC-430
410-SCC-410 ("densification screw"); Screw conveyor; 410-PDC-430
410-LSP-6624; Loading Spout; 410-PDC-430
410-LSP-411; Loading Spout; 410-PDC-430
405-SIL-412 (modified); Silo; 410-PDC-430
405-SIL-410; Silo; 410-PDC-430
410-SCC-250, Screw Extractor
410-BIN-256, Feed Hopper
410-BIN-254, Feed Hopper
410-PNC-264, Transporter
410-PNC-262, Transporter
410-BIN-274, Hydrate Bin and associated pneumatic truck pipe, 410-BVE-276
415-SCC-275, Screw Conveyor
415-SCC-277, Screw Conveyor
415-SCC-280, Screw Conveyor
415-SCC-302, Screw Conveyor
415-HOP-304, Hopper, 410-PDC-270
415-BAG-305, Pack Machine, 410-PDC-270
415-BAG-306, Pack Machine, 410-PDC-270
415-BCR-312, Bag Cleaner, 410-PDC-270

(b) Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, ID C311A is a fabric collector that is referenced above as 405-PDC-136 and shall control the air contaminant emissions from the sources, as specified above.

(c) Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, ID C311B is a fabric collector that is referenced above as 405-PDC-400 and shall control the air contaminant emissions from the sources as specified above.

(d) Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, ID C311C is a fabric collector that is referenced above as 405-PDC-206 and shall control the air contaminant emissions from the sources as specified above.

(e) Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, ID C311D is a fabric collector that is referenced above as 410-PDC-430 and shall control the air contaminant emissions from the sources as specified above.

(f) Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, ID C311F is a bin vent collector that is referenced above as 410-BVE-276 and shall control the air contaminant emissions from the sources as specified above.

(g) Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, ID C311G is a fabric collector that is referenced above as 410-PDC-270 and shall control the air contaminant emissions from the sources as specified above.

022 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, all process equipment shall be fully enclosed such that there are no fugitive emissions.

**SECTION D. Source Level Requirements**

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

**SECTION D. Source Level Requirements**

Source ID: P313

Source Name: ENHANCED HYDRATE SYSTEM

Source Capacity/Throughput:

20.000 Tons/HR

HYDRATED LIME

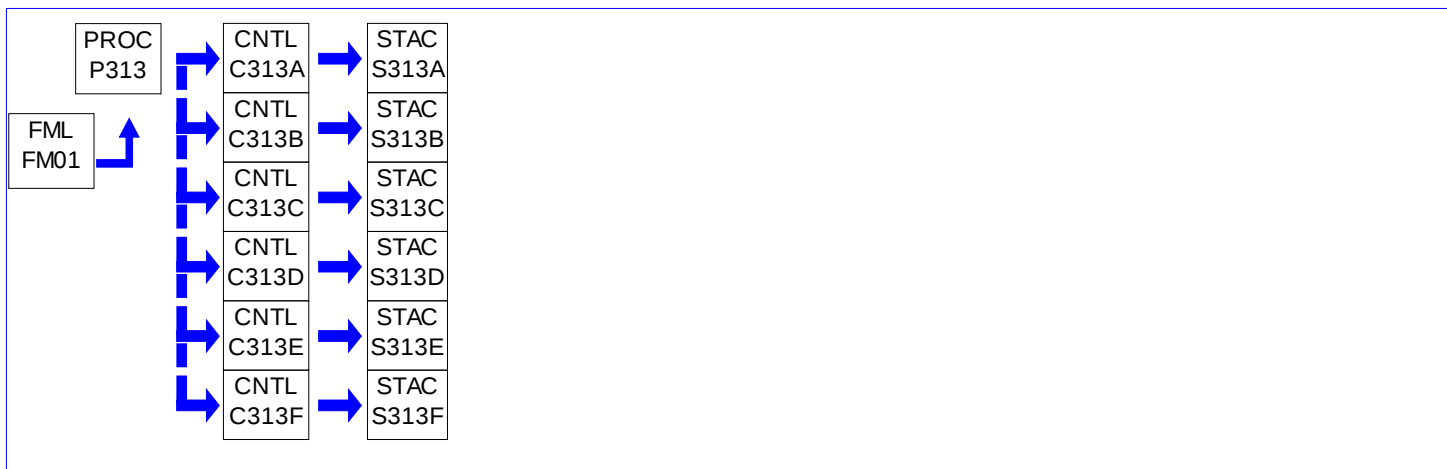
Conditions for this source occur in the following groups: CAM (OTHER PSEU)

CO PAL

NOX PAL

RACT

SO2 PAL

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emissions from each Source ID C313A, C313B, C313C, C313D, C313E or C313F baghouse exceed 5% based on 6-minute, block, averages.

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

[Compliance with the below restrictions assures compliance with 25 Pa. Code Section 123.13]

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of particulate matter in such a manner that the concentration of particulate matter (filterable) exceeds 0.004 gr/dscf in the exhaust of ID C313A or C313B.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of PM-10 in such a manner that the concentration of PM-10 exceeds 0.003 gr/dscf in the exhaust of ID C313A or C313B.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of PM2.5 in such a manner that the concentration of PM2.5 exceeds 0.002 gr/dscf in the exhaust of ID C313A or C313B.

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

[Compliance with the below restrictions assures compliance with 25 Pa. Code Section 123.13]

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of PM-10, and PM2.5 in such a manner that any of the concentrations of particulate matter (total), PM-10, and PM2.5 exceeds 0.04 gr/dscf from within the ID C313C baghouse exhaust (at S313C), including filterable and condensable particulates.

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

[Compliance with the below restrictions for total PM assures compliance with the applicable standard under 25 Pa. Code section 123.13]

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of particulate matter, PM-10, and PM2.5 in such a manner that any of the concentrations of particulate matter (filterable), PM-10, and PM2.5 exceeds 0.005 gr/dscf in the exhaust of ID C313D or C313E.

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

[Compliance with the below restrictions for total PM assures compliance with the applicable standard under 25 Pa. Code section 123.13]

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the emission into the outdoor atmosphere of particulate matter, PM-10, and PM2.5 in such a manner that any of the concentrations of particulate matter (total), PM-10, and PM2.5 exceeds 0.007 gr/dscf from within the exhausts of Source ID C313F and burner as combined (at S313F), including filterable and condensable particulates.

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

VOC emissions from Source ID P313 shall not exceed 4.21 lb/hr and 18.4 TPY on a combined total basis including Source IDs C313A through F, in accordance with the established BAT emission rates/restrictions.

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

Pursuant to the best available technology requirements in 25 Pa. Code Sections 127.1 and 127.12, the combined total emissions of hazardous air pollutants from Source ID P313 as result of the additive usage shall not exceed 1.1 tons in any 12 consecutive month period.

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

(a) Pursuant to the best available technology requirements in 25 Pa. Code Sections 127.1 and 127.12, the burner system associated with Source ID P313 shall not emit air contaminants into the outdoor atmosphere in excess of each of the emission limitations as follows:

0.061 lb NO_x per million Btu, (expressed as NO₂) and 4.27 tons NO_x in any 12 consecutive month period;

0.005 lb VOCs per million Btu, (expressed as propane) and 0.35 ton VOCs in any 12 consecutive month period;

0.221 lb CO per million Btu and 15.49 tons CO in any 12 consecutive month period;

0.005 lb particulate matter per million Btu, (including filterable and condensable) and 0.35 ton in any 12 consecutive month period;

0.005 lb PM-10 per million Btu, (including filterable and condensable) and 0.35 ton in any 12 consecutive month period;

**SECTION D. Source Level Requirements**

0.005 lb PM_{2.5} per million Btu, (including filterable and condensable) and 0.35 ton in any 12 consecutive month period; and
0.10 tons SO_x in any 12 consecutive month period, (expressed as SO₂)

(b) For each month during the first eleven months of operation of the source, including the shakedown period, the sum of the emissions from the operation of Source ID P313 from all preceding months of operation shall not exceed the limits included in part (a) of this permit condition

Fuel Restriction(s).

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the best available technology requirements in 25 Pa. Code Sections 127.1 and 127.12, the burner system associated with Source ID P313 shall only use pipeline-quality natural gas as fuel to operate.

Throughput Restriction(s).

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Only additives which have been submitted and later approved by the Department, in writing, shall be used in Source ID P313. Department approval shall be obtained by the permittee prior to the use of new additives associated with Source ID P313.

(b) Reserved.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not use in Source ID P313 more than a combined total of 2,225,040 pounds of additives in any 12 consecutive month period (on a combined total basis).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall continuously monitor and record the flow of the feed water additive mixture associated with Source ID P313 to verify compliance with the maximum averages derived from testing.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall continuously monitor the fuel consumption of the burner system associated with Source ID P313 and keep records to determine the the total fuel consumption (scf) in each calendar month.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code Section §127.511.]

The permittee shall, every three years, measure the concentrations in the effluent stream of NO_x and CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a

**SECTION D. Source Level Requirements**

dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable analyzer as long as it is calibrated and operated according to the manufacturer's recommendations, the procedures specified in ASTM D-6522, and the following requirements:

- (i) The portable analyzer shall undergo factory laboratory calibration and cleaning every three years.
- (ii) The portable analyzer shall have on-site calibration checks using certified calibration gases demonstrating the analyzer accuracy requirements specified in ASTM D-6522.
- (iii) In order to verify emissions, the owner or operator shall conduct three, 20-minute test runs recording emissions data at least once each minute.
- (iv) Depending on concentrations observed, fresh air purges should be performed according to manufacturer's recommendations.
- (v) Re-zeroing of the portable analyzer should be performed according to manufacturer's recommendations or at least before every test run.

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

[Authority is also derived from 25 Pa. Code Section 127.511]

The permittee shall keep records of the following information for Source ID P313:

- (a) The date of additive deliveries;
- (b) The volume and density of each delivery of additive including the supporting documentation;
- (c) The calculations used to determine the additive concentration at all times of operation, including the supporting documentation and data from the flow meters.
- (d) The calculations used to determine each of the additive usages (pounds) by Source ID P313 on a per calendar month and 12-month rolling basis, and the combined total additive usages, along with the supporting documentation data to verify compliance with the throughput restriction above.; and
- (e) The emission VOCs and HAPs on a monthly and 12-month rolling period for Source ID P313 including the background information used to derive the monthly calculations in order to verify compliance with the emission restrictions herein.

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

[Authority is also derived from 25 Pa. Code Section 127.511]

The permittee shall keep monthly records of the total fuel consumption (scf) of the burner system associated with Source ID P313 in each calendar month.

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

[Authority is also derived from 25 Pa. Code Section 127.511]

The permittee shall keep monthly records of the fuel quality data including the monthly average of the total sulfur (lb sulfur per million scf of fuel) in the natural gas used by the burner system associated with Source ID P313.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Authority is also derived from 25 Pa. Code Section §127.511.]

The permittee shall maintain and make available, upon request by the Department, records of the compliance performance monitoring standards which shall, at a minimum, include the following:

- (i) The concentrations of NO_x and CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the small combustion unit;

**SECTION D. Source Level Requirements**

- (ii) A description of any corrective actions taken as part of the tune-up;
- (iii) The date(s) the performance monitoring and tune-up/inspection were conducted; and
- (iv) The factory calibration certification sheets for the portable analyzer.

V. REPORTING REQUIREMENTS.

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

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

- (a) Pursuant to 25 Pa. Code § 123.1(c) and the best available technology (BAT) requirements of 25 Pa Code Sections 127.1 and 127.12, all reasonable actions shall be taken to prevent particulate matter that may arise from stockpiling or use of roads from becoming airborne, including:
- (b) The drop heights from front-end loaders being used to stockpile, transfer, and load off-spec lime from Source ID P313 shall be kept as short as possible to minimize dust emissions.
- (c) Stockpiles shall be kept as compact as possible to limit exposure to the wind.
- (d) Material shall be stockpiled in such a manner that it may be adequately wetted as necessary to control fugitive emissions.
- (e) All in-plant roads shall be maintained to prevent particulate matter from becoming airborne in accordance with 25 Pa. Code §§ 123.1 and 123.2.
- (f) All unpaved in-plant roads shall be watered at least once per day during warm weather if no precipitation has fallen within the previous twenty-four (24) hours, and as needed on a preventative basis such that visible fugitive emissions are controlled in accordance with 25 Pa. Code §§ 123.1 and 123.2. Other methods of dust control may be used when weather conditions make the watering of unpaved roads hazardous.
- (g) In accordance with 25 Pa. Code § 123.1(c), the permittee shall promptly remove earth or other material from paved roads onto which earth or other material has been transported by trucking or earth moving equipment, or other means.
- (h) A set vehicle pattern shall be established and maintained for vehicles entering and exiting the plant.
- (i) The permittee shall post a sign limiting speeds to less than 15 mph on all in-plant roads. Speed limit signs shall be posted in highly visible locations along the respective roadways, and each shall be in conformance with the requirements of the Pennsylvania Department of Transportation (overall dimension 20 inches x 24 inches, "SPEED LIMIT" in 4-inch letters and 10-inch numerals).
- (j) The permittee shall post and enforce a requirement stating "All product transportation vehicles entering or exiting the plant property shall be properly tarpaulin covered or enclosed." Vehicles with a gross vehicle weight rating of less than 10,000 pounds shall be exempt from this condition.
- (k) The Department reserves the right to require additional controls (water sprays, paving, conveyor covers, etc.) based on evaluation of the operation after inspection and determination that existing controls are not adequate for controlling fugitive emissions.

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

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall keep sufficient quantity of spare fabric filters, at a minimum of 10% of the total number fabric filters, on hand, at all times, for

**SECTION D. Source Level Requirements**

immediate replacement of bag filters that require such an action by the permittee.

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

Pursuant to the best available technology requirements in 25 Pa. Code Sections 127.1 and 127.12, volume displaced during loading of the trucks associated with the lime processing project shall be returned to the silo (controlled by dust collector no. 6) via a truck blow off pipe.

VII. ADDITIONAL REQUIREMENTS.**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The compressor(s) providing air for fabric filter cleaning shall be equipped with an air dryer and oil trap.

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

Source ID P313 authorized herein consists of the following process and control device equipment:

408-SCC-110 Screw conveyor Enclosure
408-SCC-130 Screw conveyor Enclosure
408-SCC-135 Screw conveyor Enclosure
408-SCC-115 Screw conveyor Enclosure
408-BLO-160 Blower System (formerly Transporters 1 and 2) 408-PDC-180 C313A
408-DRC-140 Roll crusher (formerly Crusher 1) 408-PDC-180 C313A
408-HOP145 Hopper (formerly Hopper 1) 408-PDC-180 C313A
408-BIN-245 Feed Hopper (formerly Hopper 2) 408-PDC-210 C313B
408-BEF-270 Belt Feeder (formerly Conveyor 5/6) 408-PDC-210 C313B
408-DGC-275 Drag conveyor (formerly Conveyor 5/6) 408-PDC-210 C313B
3-Stage Hydrator Hydrate Bin (formerly Process Equipment 1) 408-PDC-320 C313C
408-SCC-334 Screw conveyor Moisture / Enclosure
408-BEC-336 Belt conveyor Moisture / Enclosure
408-SCC-340 Screw conveyor Moisture / Enclosure
Container under 408-SCC-340 Moisture / Enclosure
408-ATR-500 Attritor (formerly Process Equipment 2) 408-RVA-520 C313F
408-TAN-460 (Mix Tank) Storage Tank N/A
408-TAN-420 (Additive Tank) Storage Tank N/A
408-BUR-591 Burner LNB
408-BUR-592 Burner LNB
410-SCC-008 Screw conveyor (formerly Conveyor 8) 410-PDC-020 C313D
410-SCC-074 Screw conveyor (formerly Conveyor 12) 410-PDC-082 C313E
410-SCC-076 Screw conveyor (formerly Conveyor 13) 410-PDC-082 C313E
410-SCC-072 Screw conveyor (formerly Conveyor 14) 410-PDC-082 C313E
410-LSP-084 Loading Spout 410-PDC-082 C313E
410-SIL-032 Silo (formerly Silo 1) 410-PDC-020 C313E
410-SIL-034 Silo (formerly Silo 2) 410-PDC-020 C313E
410-SIL-036 Silo (formerly Silo 3) 410-PDC-020 C313E
410-SCC-022 Screw conveyor (formerly Conveyor 9) 410-PDC-020 C313E
410-SCC-024 Screw conveyor (formerly Conveyor 10) 410-PDC-020 C313E
410-SCC-026 Screw conveyor (formerly Conveyor 11) 410-PDC-020 C313E
410-ELE-010 Bucket Elevator 410-PDC-020 C313E
412-SCF-006 and 412-CPM-014 associated with the HLPO process associated with Source ID P313 shall be controlled by the 408-FTR-001 and 410-PDC-020 filter collectors.

(b) ID C313A the 408-PDC-180 fabric collector shall control the air contaminant emissions from the Source ID P313 as specified above.

**SECTION D. Source Level Requirements**

(c) ID C313B the 408-PDC-210 fabric collector shall control the air contaminant emissions from the Source ID P313 as specified above.

(d) ID C313C the 408-PDC-320 fabric collector shall control the air contaminant emissions from the Source ID P313 as specified above.

(e) ID C313D the 410-PDC-020 fabric collector shall control the air contaminant emissions from the Source ID P313 as specified above.

(f) ID C313E the 410-PDC-082 fabric collector shall control the air contaminant emissions from the Source ID P313 as specified above.

(g) ID C313F the 408-RVA-520 fabric collector shall control the air contaminant emissions from the Source ID P313 as specified above.

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

Pursuant to the best available technology requirements in 25 Pa. Code Sections 127.1 and 127.12, the burner system associated with Source ID P313 shall incorporate two (2) high-efficiency low NOx burners, and each shall not have a heat input capacity greater than 8 MMBtu/hr.

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

The burner system associated with Source ID P313 is subject to 40 CFR Part 60 Subpart Dc. The permittee shall comply with all applicable requirements pertaining to Source ID P313, as specified in 40 CFR Sections 60.40c through 60.48c.

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

(a) The hydrated lime processing/slurry operation shall be carried out in accordance with the information and specifications, as provided to the Department in the RFD Application ID 8584 submitted on around July 27, 2020. The emissions from the HLPO shall be controlled by the 408-FTR-001 and 410-PDC-020 filter collectors. In addition, all the chutes and screw conveyors installed for the HLPO shall be sealed and fully enclosed as to prevent any fugitive air contaminant.

(b) The total quantity of the HLPO feed processed in any 12 consecutive month period shall not exceed 15,000 tons/yr.

(c) The permittee shall install, operate and maintain the 408-FTR-001 device in accordance with the manufacturer specifications.

(d) The permittee shall maintain and make available, upon request by the Department, records of the total quantities of the HLPO feed processed on a monthly and 12-month rolling sum basis, as well as the data or information used to establish the monthly calculations.

(e) Visual observations of the HLPO taken during each filling operation shall be performed by the permittee in order to verify compliance. The permittee shall maintain and make available, upon request by the Department, records of the required monitoring. The records shall include at minimum the data/information, as follows (i) the date, place, time and results of each visual observation conducted; (ii) the operating personnel that performed the monitoring; (iii) and any corrective actions taken as a result of the required monitoring. (iii) The proposed HLPO installation shall be incorporated into TVOP 14-00002 upon the next revision or renewal of the operating permit.

(f) The construction and operation of the above installation of this permit condition shall comply with all the other applicable requirements 25 Pa. Code Chapters 127 or elsewhere within 25 Pa. Code Title III, air quality rules and regulations.

029 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The fabric filters or bags associated with C313F shall have a maximum service temperature of 350 degrees Fahrenheit.

*** Permit Shield in Effect. ***

**SECTION D. Source Level Requirements**

Source ID: P314

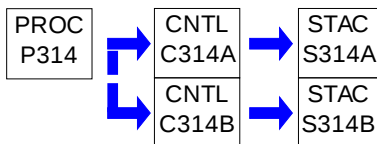
Source Name: QUICKLIME BAGGING [PG]

Source Capacity/Throughput:

30.000 Tons/HR

LIME PRODUCTS

Conditions for this source occur in the following groups: CAM (OTHER PSEU)

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P314 in a manner such that the opacity of the emissions at S314A exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P314 in a manner such that the opacity of the emissions at S314B exceeds five percent, based on any 6-minute average, block.

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

[Compliance with the emission restriction in this permit condition will assure compliance with the applicable emission restriction as specified in 25 Pa. Code Section 123.13.]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P314 in a manner such that the concentration of particulate matter from fabric collector C314A exceeds the following:

- (a) PM: 0.004 grain per dry standard cubic foot;
- (b) PM10: 0.003 grain per dry standard cubic foot;
- (c) PM2.5: 0.002 grain per dry standard cubic foot.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P314 in a manner such that the concentration of particulate matter from fabric collector C314B exceeds the following:

- (a) PM: 0.004 grain per dry standard cubic foot;
- (b) PM10: 0.003 grain per dry standard cubic foot;
- (c) PM2.5: 0.002 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) and/or Section E (Source Group Restrictions).

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across each baghouse Source ID C314B to verify that valid readings are being measured, and daily averages are being maintained above 1.0 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct Method 22 testing on baghouse exhaust for visible emissions (Source ID C314B), and its respective material handling processing equipment and/or associated building for visible fugitive air contaminants, using a graduated schedule, such that the frequency of testing may be reduced to semi-annual if no visible emissions are observed in two (2) consecutive quarterly tests and may be reduced to annual if no visible emissions are observed in one (1) semi-annual test.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information pertaining to Source IDs P314 and C314B in accordance with the recordkeeping in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

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

The permittee shall keep records of the date and time of each flushing and sweeping of the paved roads that provide ingress/egress to/from the Bagging Building.

V. REPORTING REQUIREMENTS.

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

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, with respect to the paved roads that provide ingress/egress to/from the Bagging Building the permittee shall comply with the following:

- a. Properly maintain the roads;
- b. Keep and maintain an operable water truck onsite to flush and sweep the paved roads at a reasonable frequency to prevent particulate matter from becoming airborne.

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

The permittee shall inspect fabric collectors C314A and C314B and perform necessary repairs and/or bag replacements on the control device if its pressure drop is outside of compliance the fabric collector's design pressure range.

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

The air compressor(s) supplying air to fabric collectors C314A and C314B shall be equipped with air dryer(s) and oil trap(s) in order to reduce water and contaminants from the compressed air used in the bag cleaning apparatus.

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

(a) Source ID P314 is the Quicklime Bagging operation which includes the following sources listed below as follows: Source Designation, Type of Source, Control Device Designation, where applicable:

Railroad Car Unloading Station
385-BEC-910, Belt Conveyor, 385-PDC-926
385-ELE-914, Bucket Elevator, 385-PDC-926
385-IVS-916, Vibratory Screen, 385-PDC-926
385-SIL-936, Fines Bin and associated pneumatic truck pipe, 385-PDC-926
385-SCC-932, Screw Conveyor
385-SCC-930, Screw Conveyor
385-SCC-917, Screw Conveyor
385-CTN-919, Container
385-SIL-960, Pebble Bin, 385-PDC-926
385-SCC-944, Screw Conveyor
385-VIF-964, Feeder, 385-PDC-920
385-TVF-968, Feeder, 385-PDC-920
385-TVF-966, Feeder, 385-PDC-920
385-WHO-946, Weigh Hopper, 385-PDC-920
385-SSL-948, Fill Machine, 385-PDC-920
385-HOP-970, Hopper, 385-PDC-920
385-BAG-972, Pack Machine, 385-PDC-920
385-BCR-978, Bag Cleaner, 385-PDC-920

(b) Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, ID C314A is a fabric collector that is referenced above as 385-PDC-926 and shall control the air contaminant emissions from the sources as specified above.

(c) Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, ID C314B is a fabric collector that is referenced above as 385-PDC-920 and shall control the air contaminant emissions from the sources as specified above.

(d) Source ID P314 also includes paved roads that provide ingress/egress to/from the Bagging Building as described in the application for Plan Approval 14-00002T.

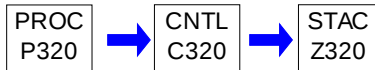
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P320

Source Name: CAL-AG SYSTEM [PG]

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

(a) The permittee shall perform periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system associated with Source ID C320. Monthly inspections shall be completed at least once in any calendar month, unless the Source ID was not in operation during the entire calendar month.

(b) Corrective action should be initiated and completed as expediently as practical if water is not flowing properly during any the required inspections of the water spray nozzles.

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

The permittee shall maintain and make available, upon request by the Department, records of each inspection done on the water spray nozzles, in a logbook (in hard or electronic format) including the date of each inspection and any other supporting monitoring information in accordance with the recordkeeping requirements in section B herein.

V. REPORTING REQUIREMENTS.

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

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

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

An operable water truck equipped with a pressurized water spray mechanism shall remain on site and filled with water at all times Source ID P320 is operating. This truck shall be used as needed, for the prevention and control of fugitive air contaminant emissions from plant roadways and stockpiles.

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

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

The water spray dust suppression system (C320) shall be equipped with a strainer to prevent clogging of the water spray nozzles associated with the system.

**SECTION D. Source Level Requirements**

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P320 authorized herein consists of the following process and control device equipment:

Grizzly Feed Hopper; Hopper; Wet Suppression (ID C320)

Hammer Mill Shredder; Hammermill; Water Carryover

48" Belt; Belt conveyor; Water Carryover

48" Belt; Belt conveyor; Water Carryover

Double Deck Screen; Screen; Water Carryover

24" Belt; Belt conveyor; Water Carryover

Radial Stacker Belt; Radial stacker; Water Carryover

Product Pile; Pile; Wet Suppression (ID C320)

30" Reject Belt; Belt conveyor; Wet Suppression (ID C320)

Reject Pile; Pile; Wet Suppression (ID C320)

ID C320 is the wet suppression system equipped on the Cal-Ag process and shall control the air contaminant emissions from the sources as specified above. The permittee may add more spray nozzles to the wet suppression system without prior Department approval, but none of the existing nozzle locations (wet suppression as listed above) may be removed without prior Department approval.

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

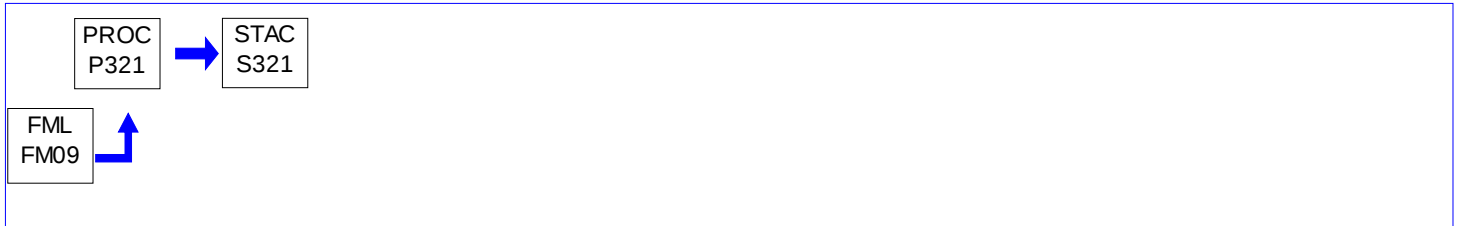
**SECTION D. Source Level Requirements**

Source ID: P321

Source Name: MISCELLANEOUS EMERGENCY GENERATORS [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: CO PAL
NOX PAL
RACT
SO2 PAL

**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 Source ID P321 in a manner such that the concentration of particulate matter exceeds 0.04 grain per dry standard cubic foot in each engine's exhaust (S001).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P321 in a manner such that the concentration of sulfur oxides, expressed as SO₂, exceeds 500 parts per million by volume, on a dry basis, in each engine's exhaust (S001).

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

[Additional authority for this permit condition is derived from the RFD approval dated May 24, 2007]

The hours of operation of the Caterpillar Model 3406TA engine associated with Source ID P321 shall not exceed 144 hours in any 12 consecutive month period.

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

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

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

(2) You may operate your emergency stationary ICE for any combination of the purposes specified in paragraphs (a)(2)(i) through (iii) of this permit condition for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (a)(3) of this permit condition counts as part of the 100 hours per calendar year allowed by this paragraph (a)(2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The



SECTION D. Source Level Requirements

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

(ii) Emergency stationary ICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary ICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

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

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

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

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

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

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

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall install, operate and maintain a functioning, non-resettable hour meter on each of the emergency engines associated with Source ID P321 in order to continuously monitor the total engine hours of operation in any given calendar year.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall keep records that demonstrate conformance with the permit condition that requires compliance with the applicable operation hours restrictions taken from 40 CFR Part 60, as specified above, using the hour meter equipped on each engine.

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

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source ID P321 consists of the following sources that are each operated as an emergency stationary reciprocating internal combustion engine (emergency & stationary RICE) in accordance with 40 CFR Part 60 subpart IIII.

- (i) Isuzu Model 4BG1-DD, rated at 121 HP, for the K6 auxiliary drive
- (ii) Deutz Model BF6L914C, rated at 158 HP, for the K7 auxiliary drive
- (iii) Caterpillar Model 3406TA, rated at 475 HP, for the K7 Waste Heat Boiler Generator (Powerhouse)
- (iv) Generac Model SG130, rated at 200 HP

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****Am I subject to this subpart?**

The provisions of this subpart are applicable to owners of stationary compression ignition (CI) internal combustion engines (ICE) which commence construction after July 11, 2005 where the stationary CI ICE are manufactured after April 1, 2006. The permittee shall comply with all applicable requirements pertaining to each of the Source ID P321 engines, as specified in 40 CFR Sections 60.4200 through 60.4219.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) New stationary RICE. (i) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(b) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines. No further requirements apply for such engines under this part.

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

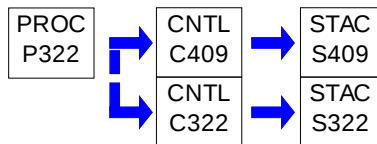
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P322

Source Name: MINE OPTIMIZATION SYSTEM [PG]

Source Capacity/Throughput:

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P322 in a manner such that the concentration of particulate matter exceeds 0.007 grain per dry standard cubic foot in the exhaust of ID C322 (S322).

[Compliance with the emission restriction above assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter with an effective aerodynamic diameter of less than or equal to a nominal 10 micrometer body (PM-10) from Source ID P322 in a manner such that the total of PM-10 emissions from the ID C322 fabric collector exceeds 2.21 tons in any 12 consecutive month period.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter with an effective aerodynamic of less than or equal to a nominal 2.5 micrometer (PM2.5) body from Source ID P322 in a manner such that the total of PM2.5 emission from the ID C322 fabric collector exceeds 2.21 tons in any 12 consecutive month period.

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P322 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C409.

[Compliance with the emission restriction above assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P322 in a manner such that the opacity of the emission at S409 exceeds five percent based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P322 in a manner such that the opacity of the emission at S322 exceeds five percent based on any 6-minute average, block.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across each baghouse Source ID C322 to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code section 127.511]

(a) Regarding the P322 sources relying on water carryover from upstream water sprays to control fugitive emissions. The permittee shall perform periodic inspections to check that water is flowing to discharge spray nozzles associated the underground wet suppression system associated with Source ID C322. Monthly inspections shall be completed at least once in any calendar month, unless the Source ID was not in operation during the entire calendar month.

(b) Corrective action should be initiated and completed as expediently as practical if water is not flowing properly during any the required inspections of the water spray nozzles.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Monitoring of operations.**

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct quarterly, Method 22 testing on each baghouse exhaust (Source IDs C322 and C409) for visible emissions, and their respective material handling processing equipment for visible fugitive air contaminants, with no less 30 days in between performances.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code section 127.511]

The permittee shall keep records that demonstrate conformance with the annual emissions restrictions as specified under restrictions, including monthly emissions calculations and the rolling 12-month emissions calculations, as well as the supporting documentation for the calculations.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information in accordance with the recordkeeping in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority is also derived from 25 Pa. Code section 127.511]

The permittee shall maintain and make available, upon request by the Department, records of each monthly periodic inspection done for the affected P322 sources, in a logbook (in hard or electronic format) including the date of each inspection and any other supporting monitoring information in accordance with the recordkeeping requirements in section B herein.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants
Reporting and recordkeeping.**

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of each quarterly inspection done on Source IDs C322 and C409, in a logbook (written or electronic format), including dates, 30-minute Method 22 observation results and any other required Title V permit recordkeeping within section B, herein. The permittee shall keep the logbook onsite for a period of at least five (5) years and shall make records available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, all conveyors, with the exception of the transfer of materials from conveyor 235-BEC-032 to conveyor 235-BEC-122, which are not entirely located inside a building, shall be fully enclosed.

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

Source ID P322 consists of the following sources, and each of the sources respective control device is also on the source list provided below as follows, Source Designation, Type of Source, Control Device Designation, where applicable:

185-HOP-010; Hopper (Underground mine)
185-APC-016; Apron conveyor (Underground mine)
185-BEC-018; Belt conveyor (Underground mine)
185-BEC-022; Belt conveyor (Underground mine)
185-DRC-020; Roll crusher (Underground mine)
185-DRC-026; Roll crusher (Underground mine)
185-BEC-028; Belt conveyor (Underground mine)
185-BEC-030; Belt conveyor (Underground mine)
185-BEC-032; Belt conveyor (Underground mine)
235-BEC-122; Belt conveyor; Water Carryover
235-BEC-124; Belt conveyor; Water Carryover
235-BEC-126; Belt conveyor; Water Carryover
235-TRI-127; Tripper Belt; Water Carryover
235-IVS-130; Screen; 235-PDC-144
235-BEC-134; Belt conveyor; Water Carryover
235-BEC-136; Belt conveyor; Water Carryover and 235-PDC-144/ 305-PDC-500 (tailend collection provided by C409 instead of 12-D-324)

**SECTION D. Source Level Requirements**

235-DRC-132; Roll crusher; Water Carryover and 235-PDC-144
235-BEC-160; Belt conveyor; Water Carryover and 235-PDC-144
235-TRI-161; Tripper Belt; Water Carryover
235-BEF-162; Belt Feeder
235-BEF-164; Belt Feeder
235-BEF-166; Belt Feeder
235-BEF-168; Belt Feeder
235-BEF-170; Belt Feeder
235-BEF-172; Belt Feeder
235-BEF-174; Belt Feeder
235-BEF-176; Belt Feeder
235-BEF-178; Belt Feeder
235-BEF-180; Belt Feeder
235-BEF-182; Belt Feeder
235-BEF-184; Belt Feeder
235-BEC-192; Belt conveyor
235-BEC-194; Belt conveyor
235-BEC-196; Belt conveyor
Overflow pile from sampler
Emergency screen by-pass pile

ID C322 is a fabric collector, a I.A.C. Model 120TB-BHT-121:S6, that is referenced above as 235-PDC-144 shall control air contaminant emissions from the sources as specified above.

ID C409 is a fabric collector that is referenced above as 305-PDC-500 shall control air contaminant emissions from the sources as specified above.

The underground wet suppression system/water carryover shall control fugitive air contaminants from the sources as noted above.

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

The permittee shall not operate Source ID P322 without the simultaneous operation of the ID C322. The PM, PM-10, PM-2.5 emissions from Source ID P322 shall be controlled by ID C322.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

The following sources associated with Source ID P322 are subject to the Federal Standards of Performance for Nonmetallic Mineral Processing Plants as codified in 40 CFR Part 60 Subpart 000. The permittee shall comply with all applicable requirements pertaining to these sources, as specified in 40 CFR Part 60 Sections 60.670 - 60.676.

235-BEC-122, Belt conveyor
235-BEC-124, Belt conveyor
235-BEC-126, Belt conveyor
235-TRI-127, Tripper Belt
235-IVS-130, Screen
235-BEC-134, Belt conveyor
235-BEC-136, Belt conveyor
235-DRC-132, Roll crusher
235-BEC-160, Belt conveyor
235-TRI-161, Tripper Belt
235-BEF-162, Belt Feeder
235-BEF-164, Belt Feeder
235-BEF-166, Belt Feeder
235-BEF-168, Belt Feeder

**SECTION D. Source Level Requirements**

235-BEF-170, Belt Feeder
235-BEF-172, Belt Feeder
235-BEF-174, Belt Feeder
235-BEF-176, Belt Feeder
235-BEF-178, Belt Feeder
235-BEF-180, Belt Feeder
235-BEF-182, Belt Feeder
235-BEF-184, Belt Feeder
235-BEC-192, Belt conveyor
235-BEC-194, Belt conveyor
235-BEC-196, Belt conveyor

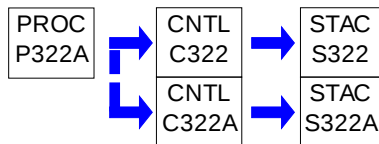
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P322A

Source Name: KILN 8 STONE HANDLING, RECLAMATION AND PROCESSING

Source Capacity/Throughput:

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

[Compliance with the following emissions restrictions within this streamlined permit condition would ensure compliance with the applicable particulate matter standard taken from 25 Pa. Code section 123.13 equal to 0.04 gr/dscf and from 40 CFR § 60.672(a) equal to 0.014 gr/dscf regarding stack emissions within the baghouse exhaust]

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12,

(a) the baghouse exhaust emissions of particulate matter from ID C322A associated with Source ID P322A shall not exceed 0.004 grain per dry standard cubic foot.

(b) the baghouse exhaust emissions of particulate matter less than 10 microns in diameter (PM10) from ID C322A associated with Source ID P322A shall not exceed 0.003 grain per dry standard cubic foot.

(c) the emission of particulate matter less than 2.5 microns in diameter (PM2.5) from ID C322A associated with Source ID P322A shall not exceed 0.002 grain per dry standard cubic foot.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the emission of visible air contaminants into the atmosphere associated with Source ID P322A shall not exceed 5% opacity as applicable to the baghouse exhausts associated with Source IDs C322 and C322A and fugitive emissions escaping these capture systems.

[Compliance with the above restrictions would ensure compliance with the NSPS standards as applicable pursuant to 40 CFR 60.672]

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across each baghouse Source IDs C322 and C322A to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

**SECTION D. Source Level Requirements****# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Monitoring of operations.**

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct quarterly, Method 22 testing on each baghouse exhaust (Source IDs C322 and C322A) for visible emissions, and their respective material handling processing equipment for visible fugitive air contaminants, with no less 30 days in between performances.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

The permittee shall keep records of the supporting documentation to verify compliance with the PM, PM10, and PM2.5 emissions limitations for ID C322A associated with Source ID P322A. These records shall be retained for a minimum of five years and shall be made available to the Department upon request.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information in accordance with the recordkeeping in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of each quarterly inspection done on Source IDs C322 and C322A, in a logbook (written or electronic format), including dates, 30-minute Method 22 observation results and any other required Title V permit recordkeeping within section B, herein. The permittee shall keep the logbook onsite for a period of at least five (5) years and shall make records available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

(a) Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall not operate Source ID P322A without the simultaneous operation of the Source ID C322A and C322 fabric collectors.

(b) Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the PM, PM10, PM2.5 emissions from Source ID P322A shall be controlled by the Source ID C322A and C322 fabric collectors.

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

Pursuant to the best available technology requirements of 25 Pa. Code sections 127.1 and 127.12, the permittee shall only

**SECTION D. Source Level Requirements**

use 16 weight (ounces per square yard) polyester bags within Source ID C322A, or other bags as approved by the Department to offer better and/or equivalent control of particulate emissions.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, all conveyors that are not entirely located inside a building shall be fully enclosed.

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

(a) Source ID P322A is the Kiln No. 8 project stone reclamation system, which consists of the following:

- (1) Conveyor 235-BEC-232 (Controlled by 235-PDC-144, ID C322)
- (2) Conveyor 235-BEC-236 (reversible)
- (3) Kiln 8 Stock Piles
- (4) Kiln Start-up Pile
- (5) Seven (7) Vibratory Feeders in the Reclaim Tunnel
- (6) Conveyor 305-BEC-252
- (7) Screen 305-IVS-254
- (8) Stone Bin 305-BIN-262
- (9) Vibratory Feeder, 305-VIF-264
- (10) Conveyor 305-BEC-268 (Reversible)
- (11) Oversize Pile
- (12) Conveyor 305-BEC-266
- (13) Reclaim Tunnel

(b) ID C322A is a fabric collector, 305-PDC-258, rated at 4000 SCFM of airflow and controls the following: (2), (6), (7), (8), (9), (10), (12), and (13).

(c) Building, 235-BUI-401, houses the following: (2) and (3)

(d) Building, 305-BUI-402, houses the following: (7), (8), (9), part of (6), part of (10), and part of (12)

(e) Reclaim Tunnel houses the following: (5) and part of (6)

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

Source ID P322A is subject to 40 CFR Part 60, Subpart OOO. The permittee shall comply with all the applicable requirements specified in 40 CFR Sections 60.670 through 60.676.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

The sources associated with Source ID P322A are subject to the Federal Standards of Performance for Nonmetallic Mineral Processing Plants as codified in 40 CFR Part 60 Subpart OOO. The permittee shall comply with all applicable requirements pertaining to these sources, as specified in 40 CFR Part 60 Sections 60.670 - 60.676.

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

**SECTION D. Source Level Requirements**

Source ID: P323

Source Name: KILN 8 PROCESSED STONE HANDLING

Source Capacity/Throughput:

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

[Compliance with the following emissions restrictions within this streamlined permit condition would ensure compliance with the applicable particulate matter standard taken from 25 Pa. Code section 123.13 equal to 0.04 gr/dscf and from 40 CFR § 60.672(a) equal to 0.014 gr/dscf, regarding stack emissions within the baghouse exhaust]

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12,

(a) the emission of particulate matter from ID C323 associated with Source ID P323 shall not exceed 0.004 grain per dry standard cubic foot.

(b) the emission of particulate matter less than 10 microns in diameter (PM10) from ID C323 associated with Source ID P323 shall not exceed 0.003 grain per dry standard cubic foot.

(c) the emission of particulate matter less than 2.5 microns in diameter (PM2.5) from ID C323 associated with Source ID P323 shall not exceed 0.002 grain per dry standard cubic foot.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, there shall be no visible emission of air contaminants into the atmosphere from building, 305-BUI-008, of Source ID P323.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the emission of visible air contaminants into the atmosphere from ID C323 associated with Source ID P323 shall not exceed 5% opacity.

II. TESTING REQUIREMENTS.

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

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C323 to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Monitoring of operations.**

**SECTION D. Source Level Requirements**

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct quarterly, Method 22 testing on baghouse exhaust (Source ID C323) for visible emissions, and their respective material handling processing equipment for visible fugitive air contaminants and/or associated buildings, with no less 30 days in between performances.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information pertaining to Source IDs P323 and C323 in accordance with the recordkeeping requirements in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of each quarterly inspection done on Source ID C323, in a logbook (written or electronic format), including dates, 30-minute Method 22 observation results and any other required Title V permit recordkeeping within section B, herein. The permittee shall keep the logbook onsite for a period of at least five (5) years and shall make records available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall only use 16 weight (ounces per square yard) polyester bags, or other bags, as approved by the Department, that offer equivalent or better control of particulate matter emissions in ID C323 associated with Source ID P323.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall not operate Source ID P323 without the simultaneous operation of the ID C323. The PM, PM₁₀, PM_{2.5} emissions from Source ID P323 shall be controlled by ID C323.

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

(a) Source ID P323 authorized herein consist of the following process and control device equipment associated with the Kiln No. 8 processed stone handling system:

(1) Kiln No. 8 Processed Stone Hopper, 328-WHO-810

**SECTION D. Source Level Requirements**

- (2) Vibratory Feeder 328-VIF-811 (previously listed as 328-VIF-852)
- (3) Conveyor 328-BEC-812/328-DGC-813 (Reversible)
- (4) Silo 328-WHO-814N (previously listed as 328-SIL-855)
- (5) Silo 328-WHO-814S (previously listed as 328-SIL-856)
- (6) Building 328-BUI-008

(b) ID C323 is fabric collector, 328-PDC-898, rated at 4000 SCFM of airflow and shall control air contaminant emissions from items (1) through (5) as specified above.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, all conveyors that are not entirely located inside a building shall be fully enclosed.

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

The following sources associated with Source ID P323 are subject to the Federal Standards of Performance for Nonmetallic Mineral Processing Plants as codified in 40 CFR Part 60 Subpart 000. The permittee shall comply with all applicable requirements pertaining to these sources, as specified in 40 CFR Part 60 Sections 60.670 - 60.676.

- (1) Kiln No. 8 Processed Stone Hopper, 328-WHO-810
- (2) Vibratory Feeder 328-VIF-811 (previously listed as 328-VIF-852)
- (3) Conveyor 328-BEC-812/328-DGC-813 (Reversible)
- (4) Silo 328-WHO-814N (previously listed as 328-SIL-855)
- (5) Silo 328-WHO-814S (previously listed as 328-SIL-856)
- (6) Building 328-BUI-008

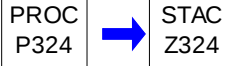
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P324

Source Name: KILN 8 LKD HANDLING, LOADING AND STORAGE

Source Capacity/Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the emission of visible air contaminants to the atmosphere from the lime kiln dust (LKD) truck loading operation shall not exceed 7% opacity.

II. TESTING REQUIREMENTS.

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

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All trucks leaving the single bay lime kiln dust truck loading operation shall be fully tarped.

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to best available technology requirements of 25 Pa. Code §§ 127.1 and 127.12, all conveyors associated with Source ID P324 shall be fully enclosed.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source ID P324 authorized herein consists of the following process and control device equipment associated with the LKD handling, loading and storage system for Kiln No. 8:

- (1) Screw Conveyor 328-SCC-878 Enclosure
- (2) Screw Conveyor 328-SCC-879 Enclosure
- (3) Screw Conveyor 328-SCC-880 Enclosure

**SECTION D. Source Level Requirements**

- (4) Screw Conveyor 328-SCC-838 Enclosure
- (5) Bin 328-BIN-891
- (6) Silo 326-SIL-687/Kiln No. 6 LKD Silo
- (7) LKD Truck Loading (326-LSP-690)
- (8) LKD Trucks
- (9) LKD Storage Pile

(b) (1) through (4) receives all LKD from baghouse, 328-PDC-870, Control Device ID C418.

(c) LKD from Kiln No. 8 may be sent to Source ID P325 via multi-position gate (328-MPG-886). LKD from Kiln No. 8 may also be sent to (5) via the 328-RVE-832 material transfer equipment and culminate at the LKD storage pile via source (6), (7) and (8).

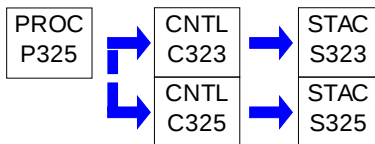
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P325

Source Name: KILN 8 LIME HANDLING, PROCESSING AND STORAGE

Source Capacity/Throughput:

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

Pursuant to best available technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the emission of particulate matter from ID C325 associated with Source ID P325 shall not exceed 0.004 grain per dry standard cubic foot. The emission of particulate matter less than 10 microns in diameter (PM₁₀) from ID C325 associated with Source ID P325 shall not exceed 0.003 grain per dry standard cubic foot. The emission of particulate matter less than 2.5 microns in diameter (PM_{2.5}) from ID C325 associated with Source ID P325 shall not exceed 0.002 grain per dry standard cubic foot.

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

Pursuant to the best available technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the emission of visible air contaminants into the atmosphere from ID C325 associated with Source ID P325 shall not exceed 5% opacity.

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

(a) Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, there shall be no emission of visible air contaminants to the atmosphere from buildings, 345-BUI-810 and 345-BUI-811, of Source ID P325.

(b) Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, there shall be no emission of visible air contaminants to the atmosphere from bin, 345-BIN-850 and silos, 345-SIL-880 and 345-SIL-890, of Source ID P325.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C325 to verify that valid readings are being measured, and daily averages are being maintained above 1.0 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct Method 22 testing on baghouse exhaust for visible emissions (Source ID C325), and their respective material handling processing equipment and/or associated building for visible fugitive air contaminants, using a

**SECTION D. Source Level Requirements**

graduated schedule, such that the frequency of testing may be reduced to semi-annual if no visible emissions are observed in two (2) consecutive quarterly tests and may be reduced to annual if no visible emissions are observed in one (1) semi-annual test.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information pertaining to Source IDs P325 and C325 in accordance with the recordkeeping requirements in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

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

Pursuant to best available technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall not operate Source ID P325 without the simultaneous operation of the ID C325. The PM, PM₁₀, PM_{2.5} emissions from Source ID P325 shall be controlled by ID C325.

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

Pursuant to best available technology requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall only use 16 weight (ounces per square yard) polyester bags, or other bags, as approved by the Department, that offer equivalent or better control of particulate matter emissions in ID C325 of Source ID P325.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall keep on hand a sufficient quantity of spare fabric collector bags for ID C325 associated with Source ID P325 in order to be able to immediately replace any bags requiring replacement due to deterioration.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, all conveyors associated with Source ID P325 shall be fully enclosed.

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

(a) Source ID P325 is the lime handling, processing and storage system, which consists of the following:

- (1) Vibratory Feeder 328-VIF-831N
- (2) Vibratory Feeder 328-VIF-831S
- (3) Conveyors 345-BEC-814/345-DGC-816 (Controlled by 328-PDC-898, ID C323)

**SECTION D. Source Level Requirements**

- (4) Conveyors 345-BEC-818/345-DGC-820 (Controlled by 328-PDC-898, ID C323 and located in Building 345-BUI-810)
- (5) Elevator 345-ELE-822; C325
- (6) Roll Crusher 345-QRC-830 (located in Building 345-BUI-811); C325
- (7) Conveyors 345-BEC-834/345-DGC-835 (located in Building 345-BUI-811); C325
- (8) Elevator 345-ELE-842; C325
- (9) Elevator 345-ELE-844; C325
- (10) Screen 345-IVS-846 (located in Building 345-BUI-811); C325
- (11) Screen 345-IVS-848 (located in Building 345-BUI-811); C325
- (12) Cage Mill 345-CAM-862 (located in Building 345-BUI-811); C325
- (13) Elevators 345-ELE-870 and 345-ELE-872; C325
- (14) Conveyors 345-BEC-874/345-DGC-875; C325
- (15) Conveyors 345-BEC-876/345-DGC-877; C325
- (16) Silos 345-SIL-880 and 345-SIL-890; C325
- (17) Conveyors 345-BEF-857/345-DGC-859; C325
- (18) Conveyors 345-BEC-235/345-DGC-237; C325
- (19) Bin 345-BIN-850 including blowoff pipe; C325
- (20) 328-HOP-830N and 328-HOP-830S

(b) ID C325 is the fabric collector 345-PDC-570 rated at 13000 SCFM of airflow that controls the Source ID P325 equipment as specified above.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A lime sampling system to Source ID P325 as submitted by RFD ID 8910 December 7, 2020, and later approved, including the material sample receiver (345-SAM-470) and other sampling equipment installations shall be vented to the fabric collector 345-PDC-570 (Source ID C326) to control particulate emissions in accordance with the RFD application specifications.

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

**SECTION D. Source Level Requirements**

Source ID: P326

Source Name: KILN 8 LIME LOADING

Source Capacity/Throughput:

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the emission of particulate matter from ID C326 associated with Source ID P326 shall not exceed 0.004 grain per dry standard cubic foot. The emission of particulate matter less than 10 microns in diameter (PM10) from ID C326 associated with Source ID P326 shall not exceed 0.003 grain per dry standard cubic foot. The emission of particulate matter less than 2.5 microns in diameter (PM2.5) from ID C326 associated with Source ID P326 shall not exceed 0.002 grain per dry standard cubic foot.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the emission of visible air contaminants into the atmosphere from ID C326 associated with Source ID P326 shall not exceed 5% opacity.

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

- (a) Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, there shall be no emission of visible air contaminants to the atmosphere from building 345-BUI-812 of Source ID P326.
- (b) Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the emission of visible air contaminants to the atmosphere from the transfer point associated with the truck loading via 345-LSP-856 shall not exceed 7% opacity.
- (c) Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the emission of visible air contaminants to the atmosphere from the transfer point associated with the railcar loading via 345-LSP-904 shall not exceed 7% opacity.

II. TESTING REQUIREMENTS.

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

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

- (a) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C326 to verify that valid readings are being measured, and daily averages are being maintained above 1.0 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.
- (b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

- (a) The permittee shall conduct Method 22 testing on baghouse exhaust for visible emissions (Source ID C326), and their

**SECTION D. Source Level Requirements**

respective material handling processing equipment and/or associated building for visible fugitive air contaminants, using a graduated schedule, such that the frequency of testing may be reduced to semi-annual if no visible emissions are observed in two (2) consecutive quarterly tests and may be reduced to annual if no visible emissions are observed in one (1) semi-annual test.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information pertaining to Source IDs P326 and C326 in accordance with the recordkeeping requirements in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall not operate Source ID P326 without the simultaneous operation of the ID C326. The PM, PM₁₀, PM_{2.5} emissions from Source ID P326 shall be controlled by ID C326.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall only use 16 weight (ounces per square yard) polyester bags, or other bags, as approved by the Department, that offer equivalent or better control of particulate matter emissions in ID C326 associated with Source ID P326

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

Pursuant to 25 Pa. Code §§ 127.1 and 127.12 (BAT), all trucks leaving the lime truck loading operation shall be fully tarped.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, all conveyors associated with Source ID P326 shall be fully enclosed.

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

(a) Source ID P326 is the Kiln No. 8 project lime loading system, which consists of the following:

- (1) Truck loading operation via 345-LSP-856
- (2) Bay #1 railcar loading operation via 345-LSP-904
- (3) Conveyors 345-BEC-900/345-DGC-901
- (4) Conveyors 345-BEC-888/345-DGC-889 (neither constructed nor authorized yet)

**SECTION D. Source Level Requirements**

- (5) Conveyor 345-BEC-898/345-DGC-899 (neither constructed nor authorized yet)
(b) ID C326 is fabric collector 345-PDC-560 rated at 8500 SCFM of airflow and controls the dust emissions from (a)(1) - (3).

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

**SECTION D. Source Level Requirements**

Source ID: P328

Source Name: KILN 8 EMERGENCY GENERATOR

Source Capacity/Throughput:

3.400 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups:

- CO PAL
- NOX PAL
- RACT
- SO2 PAL

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

[Compliance with this streamlined permit conditions will assure compliance with the applicable PM and SO2 standards as specified in 25 Pa. Code §§ 123.13 and 123.21]

Pursuant to the applicable compliance requirements as specified in 40 CFR § 60.4211, the 67-hp Source ID P328 emergency engine installation authorized herein that was installed in 2016 shall meet the applicable emissions standards as specified in 40 CFR § 60.4205 for the same model year and engine size category.

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

Pursuant to the applicable fuel requirements as specified in 40 CFR § 60.4207(b), the permittee shall only operate each of the engines associated with Source ID P328 on diesel fuel that meets the following requirements.

(a) Maximum sulfur content equal to 15 ppm by weight

(b) Minimum cetane index equal to 40 or maximum aromatic content equal to 35% by volume

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

Pursuant to the applicable compliance requirements as specified in 40 CFR § 60.4211, the permittee shall only operate each of the engines associated with Source ID P328 for emergency and readiness testing purposes. The engines shall not operate for purposes of peak shaving or to generate income from supplying power to the grid or otherwise supply non-emergency power as part of a financial arrangement with another entity.

(a) Non-emergency operational use, as specified in 40 CFR § 60.4211(f), of each engine shall be restricted to less than or equal to 100 hours on a per total calendar year basis.

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

[Additional authority for this permit condition is also derived from the permittee voluntarily electing the restriction]

The combined emergency and non-emergency operational uses of each engine associated with Source ID P328 shall be restricted to less than or equal to 300 hours in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

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

[Compliance with the requirements of this streamlined permit condition will assure compliance with the requirements of 40 CFR § 60.4209(a)]

The permittee shall install, operate and maintain a functioning, non-resettable hour meter on the Source ID P328 engine to continuously monitor the total runtime and also be used to generate and keep monthly records of the total hours of operation on a 12-month rolling basis to verify compliance with all the hour restrictions herein.

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

[Additional authority for this permit condition is also derived from the provisions of 40 CFR § 60.4214(b)]

The permittee shall keep monthly records of the operation of the engines associated with Source ID P328 in emergency and non-emergency service that are recorded through the non-resettable hour meter to verify compliance with the operational restrictions for each engine. The records shall include the time of operation of each engine and the reason each of the engines were in operation at that respective time. These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall keep records of fuel certification reports obtained yearly from the diesel fuel supplier containing the name of the diesel fuel supplier and specification that demonstrate all of the diesel fuel shipments for Source ID P328 meet the required fuel specifications. All testing and certification reports shall be in accordance with the provisions of 25 Pa. Code Chapter 139. These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall keep records of the maintenance including inspections performed on the engines associated with Source ID P328 to verify compliance with the requirement to maintain each of the engines in accordance with the manufacturer's recommendations and prescribed maintenance as required herein. These records shall be kept for a minimum of five (5) years and shall be made readily available to Department upon request.

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

The submission of all requests, reports, applications, submittals and other communications required by 40 CFR Part 60 Subpart IIII shall be made to both the Department of Environmental Protection and the Environmental Protection Agency.

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

Pursuant to the applicable compliance requirements as specified in 40 CFR § 60.4211, the permittee shall install and configure the engines associated with Source ID P328 in accordance with the manufacturers' emission-related specifications.

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

Pursuant to the applicable compliance requirements as specified in 40 CFR § 60.4211, the permittee shall operate and maintain the engines associated with Source ID P328 in accordance with the manufacturers' emission-related written instructions. Additionally, the permittee shall only change the specific emission-related settings that are permitted by the engine manufacturer and shall meet the applicable requirements of 40 CFR Parts 89, 94 and/or 1068.

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the applicable maintenance requirements as specified in 40 CFR § 60.4206, the permittee shall operate and maintain the engine associated with Source ID P328 to meet the applicable emissions standard within 40 CFR § 60.4205 for the entire life of the engine.

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

Pursuant to the best available control technology of the Prevention of Significant Deterioration requirements in 40 CFR § 52.21 for greenhouse gas emissions, incorporated by reference into 25 Pa. Code § 127.83, and the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall operate and maintain the engines associated with Source ID P328 in accordance with the manufacturers' recommendations and specification. The following maintenance performed at the specified intervals below shall be completed in addition to the manufacturers' prescribed maintenance.

- (1) Change the oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspecting air cleaner every 1,000 hours of operation or annually, whichever comes first; and
- (3) Inspecting all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

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

[Compliance with this permit condition will assure compliance with the requirements of 40 CFR Part 63 Subpart ZZZZ pursuant to 40 CFR § 63.6590(c)]

The Deutz model 2011 L4 W engine installation associated with the 50 kW emergency generator of Source ID P328 is subject to the requirements in 40 CFR Part 60 Subpart IIII. The permittee shall comply with all applicable provisions pertaining to the above engine, as specified 40 CFR §§ 60.4200 through 60.4219.

015 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

This subpart applies to each affected source.

(a) Affected source. An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

(1) New stationary RICE. (i) A stationary RICE located at an area source of HAP emissions is new if you commenced construction of the stationary RICE on or after June 12, 2006.

(b) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines. No further requirements apply for such engines under this part.

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

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

**SECTION D. Source Level Requirements**

Source ID: P403

Source Name: KILN 7 LKD HANDLING [PG]

Source Capacity/Throughput:

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

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P403 in a manner such that the concentration of particulate matter exceeds 0.04 grain per dry standard cubic foot in the exhaust of ID C403 (S403).

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.**

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C403 to verify that valid readings are being measured, and daily averages are being maintained above 0.1 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct Method 22 testing on baghouse exhaust for visible emissions (Source ID C403), and their respective material handling processing equipment and/or associated building for visible fugitive air contaminants, using a graduated schedule, such that the frequency of testing may be reduced to semi-annual if no visible emissions are observed in two (2) consecutive quarterly tests and may be reduced to annual if no visible emissions are observed in one (1) semi-annual test.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information pertaining to Source IDs P403 and C403 in accordance with the recordkeeping requirements in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

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

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Source ID P403 consists of the following sources, and each of the sources respective control device is also on the source list provided below as follows, Source Designation, Type of Source, Control Device Designation, where applicable:

327-SIL-787; Silo; 219-PDC-6714

327-LSP-792; Loading Spout; 219-PDC-6714

327-SCC-763; Screw conveyor

327-SCC-761; Screw conveyor

327-SCC-762; Screw conveyor

327-SCC-764; Screw conveyor

327-SCC-765; Screw conveyor

(b) ID C403 is a fabric collector that is referenced above as 219-PDC-6714 and shall control the air contaminant emissions from the sources, as specified above.

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

**SECTION D. Source Level Requirements**

Source ID: P404

Source Name: COPRODUCTS PILE [PG]

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

Source ID P404 consists of the LKD pile(s) and other existing stockpiling and reclamation operations associated with the reject pile associated with Kiln 7 control, two reject piles associated with Kiln 6, two reject piles associated with Kiln 7, and a waste pile from 345-PDC-6711 (Source ID C307).

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

**SECTION D. Source Level Requirements**

Source ID: P406

Source Name: PLANT ROADS [PG]

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: P408

Source Name: LIME KILN NO. 6 [PG]

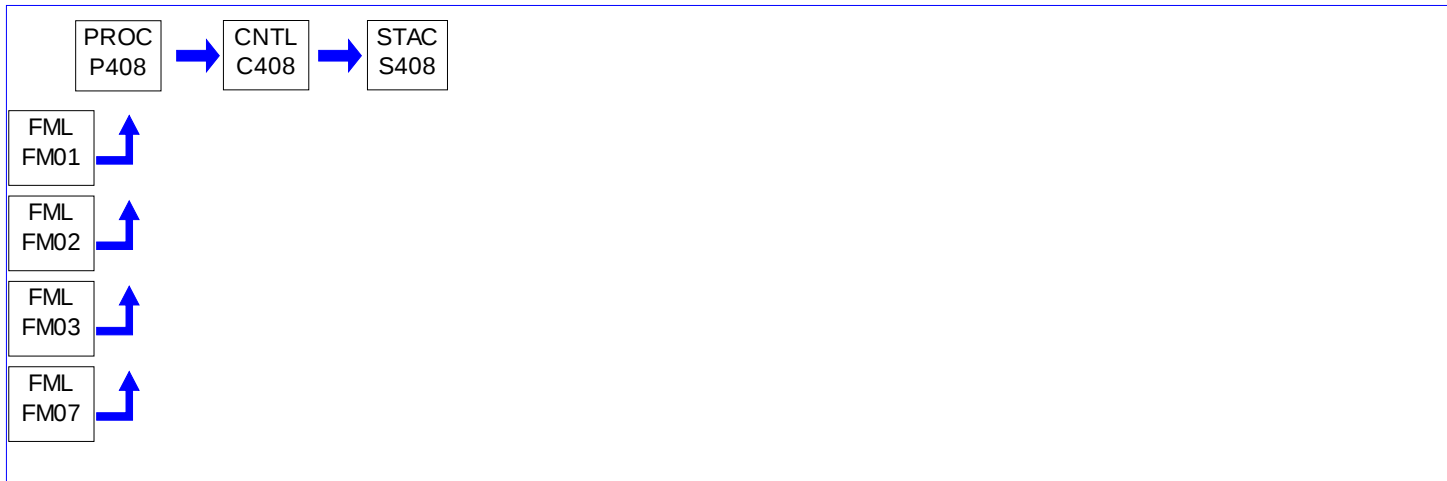
Source Capacity/Throughput:

50.000 Tons/HR

LIME

Conditions for this source occur in the following groups:

- CAM (KILN)
- CEMS & COMS
- CO PAL
- NOX PAL
- RACT
- SO2 PAL

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million (1 hr block average), by volume, dry basis.

002 [25 Pa. Code §123.41]**Limitations**

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

- (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.

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the ammonia emissions from Source ID P408 shall not exceed 21.0 pounds per hour.

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the hydrogen chloride emissions from Source ID P408 shall not exceed 13.5 pounds per hour.

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

[Authority is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The air contaminant emissions from Source ID P408 shall not exceed the following limitations. The calendar day NO_x averaging below is streamlined into the tighter, operating day NO_x averaging, required herein.

Pollutant	Units	Moisture	%O ₂	Data Sub.	Violation Standard	Averaging Period	Variable
-----------	-------	----------	-----------------	-----------	--------------------	------------------	----------

NO _x	lbs/hr	NA	NA	Yes	> 205	30-calendar day average, rolling	NO
NO _x	tons	NA	NA	Yes	> 767	12-month sum, rolling by 1 month	NO
CO	lbs/hr	NA	NA	No	> 1431	1-hour average, block	NO
CO	tons	NA	NA	Yes	> 1314	12-month sum, rolling by 1 month	NO
SO ₂	lbs/hr	NA	NA	Yes	> 305.0	3-hour average, block	NO
SO ₂	tons	NA	NA	Yes	> 571	12-month sum, rolling by 1 month	NO

NA is defined as not applicable

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the particulate matter emissions from Source ID P408 shall not exceed 0.10 pound per ton of stone feed (lb/ton) and the particulate matter concentration of the exhaust from the ID C408 fabric collector shall not exceed 0.01 grain per dry standard cubic foot (gr/dscf), as measured by 40 CFR Part 60 Appendix A, Method 5. Compliance with the filterable particulate matter emission restrictions in this permit condition shall be evaluated based upon stack testing approved by the Department in accordance with section C herein, as well as satisfying all applicable requirements under 40 CFR Part 60 Subpart HH.

[Compliance with the 0.10 lb/ton emission restriction in this permit condition assures compliance with the applicable lb/ton emission restrictions as specified in 40 CFR Sections 60.342]

[Compliance with the 0.01 gr/dscf emission restriction in this permit condition assures compliance with the applicable gr/dscf emission restriction as specified in 25 Pa. Code Section 123.13.]

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the volatile organic compound emissions from Source ID P408 shall not exceed 0.118 pound per ton of lime.

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

The opacity of the exhaust from the ID C408 fabric collector shall not exceed 10% pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12 based on the Department-approved COMS and 6-minute block averaging period.

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the PM-10 emissions (including filterable and condensable) from Source ID P408 while it is firing any natural gas shall not exceed an outlet concentration in the exhaust from the ID C408 fabric collector equal to 0.014 grain per dry standard cubic foot (gr/dscf).

Fuel Restriction(s).**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the sulfur content of the No. 2 fuel oil fired in Source ID P408 shall not exceed 0.5% (by weight). Additionally, the No. 2 fuel oil shall be virgin fuel to which no reclaimed or waste oil or other waste materials have been added.

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The quality of the natural gas fired in Source ID P408 shall meet pipeline specification.

II. TESTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 40 CFR Section 60.343]

The permittee shall install, calibrate, maintain, and operate a device or provide an alternative monitoring according to the applicable requirements for measuring the mass rate of stone feed to Source ID P408, according to the measuring device manufacturer's instructions. The measuring device used shall be accurate to within ± 5 percent of the mass rate over its operating range.

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

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

The permittee shall monitor usage of kiln preheat fuels, monitor hours of kiln preheat operations, and keep records of total usage of each fuel and total hours of firing each fuel during kiln preheat operations, on a monthly basis, to verify compliance with the maximum heat input rate associated with kiln preheat.

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

[Authority is also derived from 25 Pa. Code sections 127.444, 127.511 and 135.5]

The permittee shall continuously monitor and keep accurate and comprehensive records pertaining to the kiln installation and operating conditions associated with Source ID P408, including each type of fuel blends fired in a calendar month, monthly total usages of natural gas and solid fuels (at all times of operation outside of kiln startup mode), total calendar month production operating time, each type and total amounts of Kiln 6 lime products in each calendar month, required Kiln 6 baghouse differential pressure monitoring information and averages, required Kiln 6 COMS monitoring information and averages, and any other records, monitoring, and background information used to calculate and submit annual emissions reporting to the Department, including but not limited to PM-10 and PM2.5.

[Authority is also derived from 40 CFR Section 52.21(r) as applicable to the 2017 Kiln 6&7 Operational Gas Project]

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

The permittee shall operate instrumentation that continuously monitors the differential pressure of the ID C408 fabric collector/baghouse compartments. The instrumentation shall meet the applicable minimum data availability requirements under 25 Pa. Code Section 139.101.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to Source ID P408, as specified in 40 CFR Sections 60.343.

**SECTION D. Source Level Requirements****# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of the current OM&M for Source ID P408 and provide a copy of it to the Department upon request, along with the supporting documentation.

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

The permittee shall maintain records to verify compliance with the requirement to perform preheat burner tune-ups, as specified below under work practice requirements. The records shall include the following information, at least:

- (a) Manufacturer's recommended tune-up schedule;
- (b) Date and time of the performance of each of the preheat burner tune-ups;
- (c) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical preheat operation load, before and after the tune-up of the burner; and
- (d) A description of any corrective actions taken as a part of the preheat burner tune-up.

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

[Authority is also derived from 25 Pa. Code Sections 127.511 and 127.512]

The permittee shall generate and maintain the monthly records of the monitoring data and other background info as required herein to determine the annual total emissions of VOC and HAP and other emissions associated with the Source ID P408 kiln 6 including but may not be limited to filterable particulate matter, PM-10, and PM2.5.

[Authority is also derived from 40 CFR Section 52.21(r) as applicable]

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of the total monthly amounts of lime produced in kiln 6, while using 100% natural gas in comparison to the total monthly amount of lime produced in kiln 6 while using any other fuel, prior to the mid-kiln dam installation, for the calendar years 2020 through 2024, and records of the total monthly amounts of lime produced in kiln 6, while using 100% natural gas in comparison to the total monthly amount of lime produce in kiln 6 while using any other fuel, after the mid-kiln dam installation, for the 2025 and later calendar year periods. The records shall be kept for a period of five years at least.

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

The permittee shall provide the test reports and all other monitoring information necessary for DEP to evaluate the exemption status of the project, including identification of the sources and/or control devices, emission calculations, and operating parameters, as well as any other background information used for Source ID P408 to verify compliance with the Mid-Kiln Project exemption levels de minimis limits in section B herein for NOx, CO, SOx, PM-10, VOC, total combined HAP, and single HAP.

V. REPORTING REQUIREMENTS.**# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the applicable reporting requirements pertaining to Source ID P408, as specified in 40 CFR Sections 60.343.

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

The permittee shall comply with the applicable reporting requirements pertaining to Source ID P408, as specified in 40 CFR Section 52.21(r)(6)(v), as applicable.

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep on hand a sufficient quantity of spare bags for the ID C408 fabric collector associated with Source ID P408, in order to be able to immediately replace any bags that are torn or deteriorated. The spare bags shall meet the specifications as provided in the application, including supplemental information, for Plan Approval 14-00002A.

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

(I) The permittee shall conduct tune-ups on the kiln preheat burner associated with Source ID P408, and maintain and operate the preheat burner in accordance with the burner manufacturer's recommended specifications and instructions. The tune-ups shall be conducted at a frequency as recommended by the manufacturer, and include the following procedures, at least:

- (a) Inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled kiln shutdown);
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled kiln shutdown);
- (d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x emissions restrictions; and
- (e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

(II) After the performance of the first tune-up, the permittee shall conduct subsequent tune-ups within one year after the previous tune-up or as recommended by the manufacturer.

VII. ADDITIONAL REQUIREMENTS.**# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Source ID P408 is Kiln No. 6, located at the Pleasant Gap plant, which is a 1,200 ton per day rotary lime kiln that is equipped with a preheater and a 240 million Btu per hour burner. Kiln No. 6 may be fired on coal/petroleum coke and natural gas, as well as No. 2 fuel or natural gas for periods of kiln preheat. The air contaminant emissions shall be controlled by a pulse jet fabric collector, designated as 326-PDC-660, which is ID C408 or sometimes referenced herein as the ID C408 fabric collector.

(b) ID C408 is a F.L. Smidth, suction-type, pulse jet fabric collector which shall have a minimum fabric area of 48,833 square feet and shall not handle more than 155,000 actual cubic feet per minute of effluent gas from Source ID P408. Compartments may be taken offline in accordance with the Source ID P408 kilns OM&M plan, dated January 15, 2021.

(c) Under no circumstance shall the Mid-kiln Dam project to the kiln 6 operation authorized herein have adverse effect on the emissions or result in any higher emission rates than the maximum ones specified in the plan approval and Title V operating permit applications submitted to the Department for kiln 6 (Source ID P408).

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

Source ID P408 is subject to the Standards of Performance for Lime Manufacturing Plants as codified in 40 CFR Part 60 Subpart HH. The permittee shall comply with the applicable requirements pertaining to Source ID P408, as specified in 40 CFR Sections 60.340 through 60.344.

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

Source ID P408 is subject to Compliance Assurance Monitoring (CAM) as codified in 40 CFR Part 64. The permittee shall comply with the applicable provisions pertaining to Source ID P408, as specified in 40 CFR Sections 64.1 through 64.10.

*** Permit Shield in Effect. ***

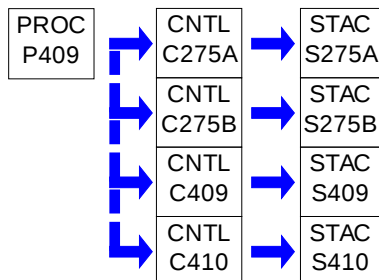
**SECTION D. Source Level Requirements**

Source ID: P409

Source Name: KILN 6 & 7 STONE RECLAIM [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: CAM (OTHER PSEU)

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

[Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P409 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C409 (S409).

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

[Compliance with the opacity restriction in this permit condition assures compliance with the applicable opacity restriction of 40 CFR Section 60.672]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P409 in a manner such that the opacity of the emissions at S409 exceeds five percent, based on any 6-minute average, block.

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

[Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P409 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C410 (S410).

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

[Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P409 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C275B (S275B).

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

[Compliance with the opacity restriction in this permit condition assures compliance with the applicable opacity restriction of

**SECTION D. Source Level Requirements**

40 CFR Section 60.672]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P409 in a manner such that the opacity of the emissions at S410 exceeds five percent, based on any 6-minute average, block.

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

[Compliance with the opacity restriction in this permit condition assures compliance with the applicable opacity restriction of 40 CFR Section 60.672]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P409 in a manner such that the opacity of the emissions at S275B exceeds five percent, based on any 6-minute average, block.

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

The total particulate matter and particulate matter less than 10 microns (PM/PM10) emission from the emergency stone feed system associated with Source ID P409, which consists of 305-BEC-062, 305-ELE-062, 305-BEF-061, and 305-HOP-061, shall not exceed 1.36 and 0.60 tons in any 12 consecutive month period, respectively.

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

[Additional authority for this permit condition is also derived from the RFD approval dated March 8, 2007]

The emergency stone feed system associated with Source ID P409 shall not handle more than 270,000 tons of stone in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across each baghouse Source ID C275B, C275C, C409, C410 to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code section 127.511]

The permittee shall conduct quarterly 30-minute testing using Method 22 on each Source ID C275B and C410/baghouse exhaust, with no less than 60 days between performances, to verify compliance with the applicable emission restrictions herein. Corrective action shall be initiated on the fabric collector no later than 24 hours after a failed VE test.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Monitoring of operations.**

**SECTION D. Source Level Requirements**

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct quarterly, Method 22 testing on baghouse exhaust (Source ID C409) for visible emissions, and their respective material handling processing equipment and/or associated buildings for visible fugitive air contaminants, with no less 30 days in between performances.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code section 127.511]

The permittee shall maintain and make available, upon request by the Department, records of the required differential pressures including the daily averages for each of the Source IDs C275B and C410 fabric collectors, on a per operating day basis, as well as any other supporting monitoring info in accordance with the recordkeeping requirements in section B herein.

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

[Authority is also derived from 25 Pa. Code section 127.511]

The permittee shall maintain and make available, upon request by the Department, records of each quarterly inspection done on Source IDs C275B and C410, in a logbook (in written or electronic format), including dates, 30-minute Method 22 observation results any other source test method info, as well as a detailed description of the corrective actions, as necessary. The permittee shall keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Department upon request.

014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of each quarterly inspection done on Source ID C409, in a logbook (written or electronic format), including dates, 30-minute Method 22 observation results and any other required Title V permit recordkeeping within section B, herein. The permittee shall keep the logbook onsite for a period of at least five (5) years and shall make records available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

(a) Source ID P409 consists of the following sources, and each of the sources respective control device is also on the source list provided below as follows, Source Designation, Type of Source, Control Device Designation, where applicable:

**SECTION D. Source Level Requirements**

326-PHE-602; Preheat tower
305-IVS-048; Screen; 305-PDC-500
305-BEC-054; Belt conveyor; 305-PDC-500/305-PDC-324
305-BEC-045; Belt conveyor; 12-D-328/305-PDC-500
305-BEC-056; Belt conveyor; 305-PDC-500/305-PDC-510
305-BEC-058; Belt conveyor; 305-PDC-510
305-BEC-068; Belt conveyor; 305-PDC-510
305-BIN-058; Bin
305-BEC-062; Belt conveyor
305-ELE-062; Elevator
305-BEC-061; Belt conveyor
305-HOP-061; Hopper
326-BIN-601; Bin
327-BEF-060; Belt Feeder

(b) ID C409 is a fabric collector that is referenced as 305-PDC-500 and shall control the air contaminant emissions from the sources, as specified above.

(c) ID C410 is a fabric collector that is referenced as 305-PDC-510 and shall control the air contaminant emissions from the sources, as specified above.

(d) ID C275B is a fabric collector that is referenced as 12-D-328 and shall control the air contaminant emissions from the sources, as specified above.

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

The following sources associated with Source ID P409 are subject to the Federal Standards of Performance for Nonmetallic Mineral Processing Plants as codified in 40 CFR Part 60 Subpart OOO. The permittee shall comply with all applicable requirements pertaining to these sources, as specified in 40 CFR Part 60 Sections 60.670 - 60.676.

305-IVS-048; Screen; 305-PDC-500
305-BEC-054; Belt conveyor; 305-PDC-500/305-PDC-324
305-BEC-045; Belt conveyor; 12-D-328/305-PDC-500
305-BEC-056; Belt conveyor; 305-PDC-500/305-PDC-510
305-BEC-058; Belt conveyor; 305-PDC-510
305-BEC-068; Belt conveyor; 305-PDC-510
305-BIN-058; Bin
305-BEC-062; Belt conveyor
305-ELE-062; Elevator
305-BEC-061; Belt conveyor
305-HOP-061; Hopper
326-BIN-601; Bin

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Standard for particulate matter.**

The following sources associated with Source ID P409 are subject to the Federal Standards of Performance for Nonmetallic Mineral Processing Plants as codified in 40 CFR Part 60 Subpart OOO. The permittee shall comply with all applicable requirements pertaining to these sources, as specified in 40 CFR Part 60 Sections 60.670 - 60.676.

305-IVS-048; Screen; 305-PDC-500
305-BEC-054; Belt conveyor; 305-PDC-500 / 305-PDC-324
305-BEC-045; Belt conveyor; 12-D-328/305-PDC-500
305-BEC-056; Belt conveyor; 305-PDC-500 / 305-PDC-510
305-BEC-058; Belt conveyor; 305-PDC-510

**SECTION D. Source Level Requirements**

305-BEC-068; Belt conveyor; 305-PDC-510
305-BIN-058; Bin
305-BEC-062; Belt conveyor
305-ELE-062; Elevator
305-BEC-061; Belt conveyor
326-BIN-601; Bin

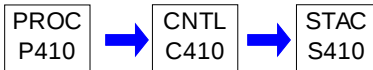
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P410

Source Name: KILN 6 LKD SYSTEM [PG]

Source Capacity/Throughput:

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P410 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C410 (S410).

[Compliance with the emission restriction in this permit condition assures compliance with the applicable emission restrictions as specified in 40 CFR Section 60.672 and 25 Pa. Code Section 123.13]

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P410 in a manner such that the opacity of the emissions at S410 exceeds five percent, based on any 6-minute average, block.

[Compliance with the opacity restriction in this permit condition assures compliance with the applicable opacity restriction of 40 CFR Section 60.672]

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C410 to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct Method 22 testing on baghouse exhaust for visible emissions (Source ID C410), and their respective material handling processing equipment and/or associated building for visible fugitive air contaminants, using a graduated schedule, such that the frequency of testing may be reduced to semi-annual if no visible emissions are observed in two (2) consecutive quarterly tests and may be reduced to annual if no visible emissions are observed in one (1) semi-annual test.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information pertaining to Source IDs P410 and C410 in accordance with the recordkeeping requirements in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

(a) Source ID P410 consists of the following sources, and each of the sources respective control device is also on the source list provided below as follows, Source Designation, Type of Source, Control Device Designation, where applicable:

326-LSP-690; Loading Spout; 305-PDC-510
326-SIL-687; Silo; 305-PDC-510
326-SCC-676; Screw conveyor
326-SCC-674; Screw conveyor
326-SCC-675; Screw conveyor
326-ELE-685; Elevator; 305-PDC-510
Blowup pipe to 326-SIL-687

(b) ID C410 is a fabric collector that is referenced above as 305-PDC-510 and shall control the air contaminant emissions from the sources, as specified above. 40 CFR Part 60 Subpart OOO includes provision(s) for this collector since it also controls sources associated with Source ID P409, which are subject to 40 CFR Part 60 Subpart OOO according to 40 CFR Section 60.670.

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

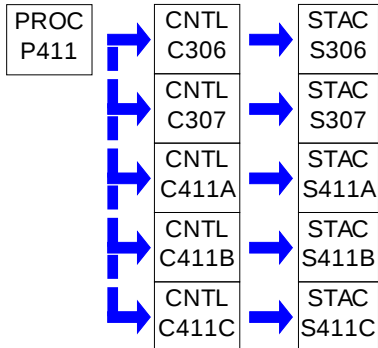
**SECTION D. Source Level Requirements**

Source ID: P411

Source Name: LIME HANDLING [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: CAM (OTHER PSEU)

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P411 in a manner such that the opacity of the emission at S411A exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P411 in a manner such that the opacity of the emission at S307 exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P411 in a manner such that the opacity of the emission at S411B exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P411 in a manner such that the opacity of the emission at S411C exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P411 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C306 (S306).

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P411 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C307 (S307).

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P411 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C411A (S411A).

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P411 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C411C (S411C).

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of visible air contaminants from Source ID P411 in a manner such that the opacity of the emission at S306 exceeds five percent, based on any 6-minute average, block.

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

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, no person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P411 in a manner such that the concentration of particulate matter exceeds 0.01 grain per dry standard cubic foot in the exhaust of ID C411B (S411B).

II. TESTING REQUIREMENTS.

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

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall continuously monitor and record the differential pressures across each baghouse Source IDs C306 and C307 to verify that valid readings are being measured, and daily averages are being maintained above 1.5 in. w.c. and/or within other Department-approved specifications to achieve necessary compliance performance.

(b) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

(a) The permittee shall conduct Method 22 testing on each baghouse exhaust for visible emissions (Source IDs C306 and C307), and their respective material handling processing equipment and/or associated building for visible fugitive air contaminants, using a graduated schedule, such that the frequency of testing may be reduced to semi-annual if no visible emissions are observed in two (2) consecutive quarterly tests and may be reduced to annual if no visible emissions are observed in one (1) semi-annual test.

(b) Corrective actions shall be initiated no later than 24 hours if any visible emissions are observed to return to the baghouse to normal operation and/or to address fugitive emissions/baghouse collection efficiency issues.

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

[Authority is also derived from 25 Pa. Code sections 127.441 and 127.511]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information pertaining to Source IDs P411, C306 and C307 in accordance with the recordkeeping requirements in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

(a) The Source ID P411 limestone process and control device equipment in operation at Pleasant Gap:

345-BEC-320; Belt conveyor; 345-PDC-520 C411C/P411
345-BEC-332; Belt conveyor; 345-PDC-520 C411C/P411
345-BEC-328; Belt conveyor; 345-PDC-520 C411C/P411
345-RCR-418; Crusher; 345-PDC-520 (closed system) C411C/P411
345-DGC-462; Drag conveyor; 345-PDC-520 C411C/P411
345-LSP-464; Loading Spout; 345-PDC-520 C411C/P411
326-VIF-612; Vibratory Feeder; 345-PDC-500 C411A/P411
326-VIF-613; Vibratory Feeder; 345-PDC-500 C411A/P411
326-VIF-614; Vibratory Feeder; 345-PDC-500 C411A/P411
326-VIF-615; Vibratory Feeder; 345-PDC-500 C411A/P411
326-CCO-611; Clinker Cooler; 345-PDC-500 C411A/P411
345-BEC-128; Belt conveyor; 345-PDC-500 C411A/P411
327-VIF-712; Vibratory Feeder; 345-PDC-500 C411A/P411
327-VIF-713; Vibratory Feeder; 345-PDC-500 C411A/P411
327-VIF-714; Vibratory Feeder; 345-PDC-500 C411A/P411
327-VIF-715; Vibratory Feeder; 345-PDC-500 C411A/P411
327-CCO-711; Clinker Cooler; 345-PDC-500 C411A/P411
345-BEC-104; Belt conveyor; 345-PDC-500 C411A/P411
345-SCC-508; Screw conveyor; 345-PDC-500 (closed system) C411A/P411
345-SCC-507; Screw conveyor; 345-PDC-500 (closed system) C411A/P411
345-SCC-509; Screw conveyor; 345-PDC-500 (closed system) C411A/P411
345-SCC-644; Screw conveyor; 345-PDC-520 (closed system) C411C/P411
345-SCC-646; Screw conveyor; 345-PDC-6720 (closed system) C306/P411
345-SCC-648; Screw conveyor; 345-PDC-6720 (closed system) C306/P411
345-SCC-233; Screw conveyor; 345-PDC-6720 (closed system) C306/P411
345-ELE-110; Elevator; 345-PDC-500 C411A/P411
345-ELE-124; Elevator; 345-PDC-500 C411A/P411
345-ELE-134; Elevator; 345-PDC-500 C411A/P411
345-SIL-031; Silo; 345-PDC-510 C411B/P411
345-SIL-032; Silo; 345-PDC-510 C411B/P411

**SECTION D. Source Level Requirements**

345-SIL-033; Silo; 345-PDC-510 C411B/P411
345-SIL-042; Silo; 345-PDC-510 C411B/P411
345-SIL-041; Silo; 345-PDC-510 C411B/P411
345-BEC-208; Belt conveyor; 345-PDC-510 C411B/P411
345-BEC-228; Belt conveyor; 345-PDC-510 C411B/P411
345-SCC-232; Screw conveyor; 345-PDC-6720 (closed system) C306/P411
345-IVS-204; Screen; 345-PDC-6720 C306/P411
345-IVS-224; Screen; 345-PDC-6720 C306/P411
345-BEC-114; Belt conveyor; 345-PDC-500 C411A/P411
345-BEC-138; Belt conveyor; 345-PDC-500 C411A/P411
345-BEC-236; Belt conveyor; 345-PDC-6720 C306/P411
345-BEC-242; Belt conveyor; 345-PDC-6720 C306/P411
345-BEC-602; Belt conveyor; 345-PDC-520 C411C/P411
345-SCC-604; Screw conveyor; 345-PDC-520 (closed system) C411C/P411
345-DGC-603; Drag conveyor; 345-PDC-520 C411C/P411
345-SCC-640; Screw conveyor; 345-PDC-520 (closed system) C411C/P411
345-ELE-610; Elevator; 345-PDC-510 C411B/P411
345-ELE-412; Elevator; 345-PDC-510 C411B/P411
345-ELE-214; Elevator; 345-PDC-510 C411B/P411
345-ELE-218; Elevator; 345-PDC-510 C411B/P411
345-ELE-728; Elevator; 345-PDC-510 C411B/P411
345-SCC-620; Screw conveyor; 345-PDC-510 (closed system) C411B/P411
345-BEC-372; Belt conveyor; 345-PDC-6711 C307/P411
345-BEC-376; Belt conveyor; 345-PDC-6711 C307/P411
345-BEC-374; Belt conveyor; 345-PDC-6711 C307/P411
345-ECS-414; Screen; 345-PDC-520 C411C/P411
345-SCC-430; Screw conveyor; 345-PDC-510/345-PDC-520 (closed system) C411C/411C/P411
345-SCC-432; Screw conveyor; 345-PDC-520 (closed system) C411C/P411
345-SCC-433; Screw conveyor; 345-PDC-510 (closed system) C411A
345-SCC-758; Screw conveyor; 345-PDC-510 (closed system) C411A
345-SCC-762; Screw conveyor; 345-PDC-510 (closed system) C411A
345-SCC-450; Screw conveyor; 345-PDC-520 (closed system) C411C
345-SCC-454; Screw conveyor; 345-PDC-520 (closed system) C411C
345-SIL-055; Silo; 345-PDC-520 C411C/P411
345-SIL-053; Silo; 345-PDC-520 C411C/P411
345-SIL-051; Silo; 345-PDC-520 C411C/P411
345-SIL-052; Silo; 345-PDC-520 C411C/P411
345-BEC-450; Belt conveyor; 345-PDC-520 C411C/P411
345-BEC-460; Belt conveyor; 345-PDC-520 C411C/P411
345-BIN-805; Bin; 345-PDC-510 C411B/P411
345-DGC-709; Drag conveyor; 345-PDC-510 C411B/P411
345-LSP-810; Loading Spout; 345-PDC-510 C411B/P411
345-LSP-772; Loading Spout; 345-PDC-510 C411B/P411
345-RCR-720; Crusher; 345-PDC-510 (closed system) C411B/P411
345-SIL-025; Silo; 345-PDC-510 C411B/P411
345-SIL-061; Silo; 345-PDC-510 C411B/P411
345-SIL-062; Silo; 345-PDC-510 C411B/P411
345-SIL-063; Silo; 345-PDC-510 C411B/P411
345-SIL-064; Silo; 345-PDC-510 C411B/P411
345-BEC-768; Belt conveyor; 345-PDC-510 C411B/P411
345-DGC-770; Drag conveyor; 345-PDC-510 C411B/P411
345-BEC-758; Belt conveyor; 345-PDC-510 C411B/P411
345-SCC-740; Screw conveyor; 345-PDC-510 (closed system) C411B/P411
345-SCC-738; Screw conveyor; 345-PDC-510 (closed system) C411B/P411
345-ECS-716; Screen; 345-PDC-510 C411B/P411
345-BEC-708; Belt conveyor; 345-PDC-510 C411B/P411

**SECTION D. Source Level Requirements**

345-ELE-404; Elevator; 345-PDC-520 C411C/P411
345-ELE-408; Elevator; 345-PDC-520 C411C/P411
345-ELE-724; Elevator; 345-PDC-510 C411B/P411
345-ELE-706; Elevator; 345-PDC-510 C411B/P411
345-VIF-304; Vibratory Feeder; 345-PDC-520 C411C/P411
345-VIF-306; Vibratory Feeder; 345-PDC-520 C411C/P411
345-VIF-310; Vibratory Feeder; 345-PDC-520 C411C/P411
345-VIF-312; Vibratory Feeder; 345-PDC-520 C411C/P411
345-VIF-440; Vibratory Feeder; 345-PDC-520 C411C/P411
345-VIF-442; Vibratory Feeder; 345-PDC-520 C411C/P411
345-VIF-444; Vibratory Feeder; 345-PDC-520 C411C/P411
345-VIF-750; Vibratory Feeder; 345-PDC-510 C411B/P411
345-VIF-752; Vibratory Feeder; 345-PDC-510 C411B/P411
345-VIF-754; Vibratory Feeder; 345-PDC-510 C411B/P411
345-SCC-128; Screw conveyor; 345-PDC-500 C411A/P411
345-VIF-350; Vibratory Feeder; 345-PDC-6711 C307/P411
345-VIF-352; Vibratory Feeder; 345-PDC-6711 C307/P411
345-VIF-354; Vibratory Feeder; 345-PDC-6711 C307/P411
345-VIF-356; Vibratory Feeder; 345-PDC-6711 C307/P411
345-VIF-358; Vibratory Feeder; 345-PDC-6711 C307/P411
345-VIF-360; Vibratory Feeder; 345-PDC-6711 C307/P411
345-VIF-362; Vibratory Feeder; 345-PDC-6711 C307/P411
345-VIF-364; Vibratory Feeder; 345-PDC-6711 C307/P411
345-VIF-366; Vibratory Feeder; 345-PDC-6711 C307/P411
345-VIF-368; Vibratory Feeder; 345-PDC-6711 C307/P411
345-VIF-370; Vibratory Feeder; 345-PDC-6711 C307/P411
345-SCC-654; Screw conveyor; 345-PDC-6711 (closed system) C307/P411
345-SCC-650; Screw conveyor; 345-PDC-6711 (closed system) C307/P411

(b) ID C306 the 345-PDC-6720/-208 fabric collector shall control the air contaminant emissions from the Source ID P411 as specified above.

(c) ID C307 the 345-PDC-6711 fabric collector shall control the air contaminant emissions from the Source ID P411 as specified above.

(d) ID C411A the 345-PDC-510 fabric collector shall control the air contaminant emissions from the Source ID P411 as specified above.

(e) ID C411B the 345-PDC-510 fabric collector shall control the air contaminant emissions from the Source ID P411 as specified above.

(f) ID C411B the 345-PDC-520 fabric collector shall control the air contaminant emissions from the Source ID P411 as specified above.

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

(a) Regarding the operation of the system submitted by Greenport RFD 8250 submittal on around April 3, 2020, and later approved, the permittee shall install, operate and maintain in working order dampers to shut the portion of baghouse 345-PDC-6711 system for fugitive capture at silos 345-SIL-005 and -006 and to open the portion for dust capture at the new transfer point (345-BEC-384 onto 345-BEC-374) during all times of rail transloading. Under no circumstance shall any material from these silos, 345-SIL-003, 345-SIL-004, 345-SIL-005, 345-SIL-006, 345-SIL-007, 345-SIL-008, and 345-SIL-009, be discharged concurrently during the rail transload use.

(b) The maximum throughput of railcar material offloaded by the system shall not exceed 24,000 tons per year, or approximately 240 railcars in any 12 consecutive month period based on an assumed avg. railcar load capacity of 100 tons, or an equivalent throughput limitation as approved by the Department.

**SECTION D. Source Level Requirements**

(c) The permittee shall maintain records to demonstrate compliance the maximum throughput limitation of this permit condition. The records shall include sufficient monitoring data other background info used to establish compliance.

(d) During railcar offloading, the permittee shall conduct inspections for visible fugitive emissions on a per operating day basis, to verify that the required dampers and lifting boot seal installations for the new transload operation are in working order. The date of each inspection shall be recorded, and, if necessary, a description of any corrective actions taken resolve positive VE observations.

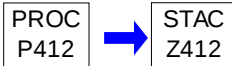
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P412

Source Name: FUEL HANDLING KILNS 6 & 7 [PG]

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, all conveyors comprising the coal/petroleum coke feed system, which are not enclosed in a building, shall be equipped with full covers.

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the 100 ton per hour triple roll crusher associated with the coal/petroleum coke feed system, as identified as 365-RCR-010, shall be enclosed in a building.

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

Source ID 412 consists of the following sources, and each of the sources respective control device is also on the source list provided below as follows, Source Designation, Type of Source, Control Device Designation, where applicable.

365-HOP-004; Hopper

365-BEC-006; Belt conveyor

365-DGC-060; Drag conveyor

365-RCR-010; Crusher

365-DGC-012; Drag conveyor

**SECTION D. Source Level Requirements**

365-DGC-018; Drag conveyor
365-DGC-022; Drag conveyor
365-SIL-026; Silo
365-SIL-036; Silo
365-SIL-044; Silo
365-BEF-048; Belt Feeder
365-BEF-040; Belt Feeder
365-BEF-030; Belt Feeder
365-BEC-052; Belt conveyor
365-DGC-054; Drag conveyor
365-ELE-016; Elevator
326-BEF-636; Belt Feeder
326-BIN-635; Bin
326-SCC-634; Screw conveyor
326-BOM-640; Mill
327-BEF-735; Belt Feeder
327-BIN-735; Bin
327-SCC-740; Screw conveyor
327-BOM-740; Mill
365-HOP-048; Hopper
365-BEC-050; Belt conveyor

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.250]**Subpart Y - Standards of Performance for Coal Preparation Plants****Applicability and designation of affected facility.**

Source ID P412 is subject to the Federal Standards of Performance for Coal Preparation and Processing Plants as codified in 40 CFR Part 60 Subpart Y. The permittee shall comply with all applicable requirements pertaining to these sources, as specified in 40 CFR Part 60, Sections 60.250 through 60.258.

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

**SECTION D. Source Level Requirements**

Source ID: P413

Source Name: LIME KILN NO. 7 [PG]

Source Capacity/Throughput:

43.750 Tons/HR

LIME

Conditions for this source occur in the following groups:

- CAM (KILN)
- CEMS & COMS
- CO PAL
- NOX PAL
- RACT
- SO2 PAL

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million (1 hr block average), by volume, dry basis.

002 [25 Pa. Code §123.41]**Limitations**

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

- (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.

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the particulate matter emissions from Source ID P413 shall not exceed 0.10 pound per ton of stone feed (lb/tsf) and the particulate matter concentration of the exhaust from the ID C413B fabric collector shall not exceed 0.01 grain per dry standard cubic foot (gr/dscf), as measured by 40 CFR Part 60 Appendix A, Method 5. Compliance with the filterable particulate matter emission restrictions in this permit condition shall be evaluated based upon stack testing approved by the Department in accordance with section C herein, as well as satisfying all applicable requirements under 40 CFR Part 60 Subpart HH.

[Compliance with the 0.10 lb/tsf emission restriction in this permit condition assures compliance with the applicable lb/tsf emission restrictions as specified in 40 CFR Sections 60.342]

**SECTION D. Source Level Requirements**

[Compliance with the 0.01 gr/dscf emission restriction in this permit condition assures compliance with the applicable gr/dscf emission restriction as specified in 25 Pa. Code Section 123.13.]

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the volatile organic compound emissions from Source ID P413 shall not exceed 0.118 pound per ton of lime.

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the ammonia emissions from Source ID P413 shall not exceed 18.3 pounds per hour.

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the hydrogen chloride emissions from Source ID P413 shall not exceed 13.5 pounds per hour.

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

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

The air contaminant emissions from Source ID P413 shall not exceed the following limitations. The calendar day NO_x averaging below is streamlined into the tighter, operating day NO_x averaging, required herein.

Pollutant	Units	Moisture	%O ₂	Data Sub.	Violation	Standard	Averaging Period	Variable
-----------	-------	----------	-----------------	-----------	-----------	----------	------------------	----------

NO _x	lbs/hr	NA	NA	Yes	> 179	30-calendar day average, rolling	NO	
NO _x	tons	NA	NA	Yes	> 709	12-month sum, rolling by 1 month	NO	
CO	lbs/hr	NA	NA	No	> 1800	1-hour average, block	NO	
CO	tons	NA	NA	Yes	> 1150	12-month sum, rolling by 1 month	NO	
SO ₂	lbs/hr	NA	NA	Yes	> 92.83	3-hour average, block	NO	
SO ₂	tons	NA	NA	Yes	> 213	12-month sum, rolling by 1 month	NO	

NA is defined as not applicable

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

The opacity of the exhaust from the ID C413B fabric collector shall not exceed 10% pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12 based on the Department-approved COMS and 6-minute block averaging period.

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

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the PM-10 emissions (including filterable and condensable) from Source ID P413 while it is firing any natural gas shall not exceed an outlet concentration in the exhaust from the ID C413B fabric collector equal to 0.005 grain per dry standard cubic foot (gr/dscf).

Fuel Restriction(s).**# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The quality of the natural gas fired in Source ID P413 shall meet pipeline specification.

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the best available technology provisions of 25 Pa. Code Sections 127.1 and 127.12, the sulfur content of the No. 2 fuel oil fired in Source ID P413 shall not exceed 0.5% (by weight). Additionally, the No. 2 fuel oil shall be virgin fuel to which no reclaimed or waste oil or other waste materials have been added.

Control Device Efficiency Restriction(s).**# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]
Source IDs C413A (and C413B) shall achieve a minimum sulfur oxides (SO_x) removal efficiency of 93% during periods when Kiln 7 is fired with solid fuels.

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

[Authority is also derived from 25 Pa. Code Sections 127.444 and 127.511]

(a) The permittee shall conduct subsequent Department-approved EPA reference method testing for SO₂ BAT compliance performance purposes, while the kiln operation associated with Source ID P413 fires solid fuel (100%). The testing shall be conducted no later than 180 days of issuance of this permit auth ID unless written justification is submitted and approved by the Department in writing.

(b) Compliance performance testing on Kiln 7 shall be conducted by the permittee in accordance with methods and other procedures approved by the Department. Please see applicable testing requirements in section C herein for further details.
[25 Pa. Code, Chapter 139]

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]
The permittee shall operate instrumentation that continuously monitors and records the temperature of the gas flow at the inlet to the Venturi reactor associated with ID C413A. The instrumentation shall meet the applicable minimum data availability requirements under 25 Pa. Code Section 139.101.

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

The permittee shall comply with the applicable monitoring requirements pertaining to Source ID P413, as specified in 40 CFR Section 60.343.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]
The permittee shall operate instrumentation that continuously monitors and records the recycle rate of reagent to the venturi reactor associated with ID C413A. The instrumentation shall meet the applicable minimum data availability requirements under 25 Pa. Code Section 139.101.

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

[Additional authority for this permit condition is derived from 40 CFR Sections 60.343]
The permittee shall install, calibrate, maintain, and operate a device for measuring the mass rate of stone feed to Source ID P413, according to the measuring device manufacturer's instructions. The measuring device used shall be accurate to within ±5 percent of the mass rate over its operating range.

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

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

The permittee shall operate instrumentation that continuously monitors and records the differential pressure of the ID C413B fabric collector. The instrumentation shall meet the applicable minimum data availability requirements under 25 Pa. Code Section 139.101.

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

The permittee shall use the CEMS ID 1891 and other monitoring required herein to monitor the SO₂ emissions in units of lb/hr for kiln 7 associated with Source ID P413 as alternative for determining compliance with the minimum SO_x removal efficiency requirement during kiln startup periods as well as during the operating periods with low sulfur fuel combustion occurring. The scrubber shall be installed and operated in accordance with good operating practices.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Authority is also derived from 25 Pa. Code sections 127.444, 127.511 and 135.5]

The permittee shall continuously monitor and keep accurate and comprehensive records pertaining to the kiln installation and operating conditions associated with Source ID P413 that include at least each type of fuel blends fired in a calendar month, monthly total usages of natural gas and solid fuels (at all times of operation outside of startup mode), total calendar month production operating time, each type and total amounts of Kiln 7 lime products in each calendar month, required Kiln 7 baghouse differential pressure monitoring information and averages, required Kiln 7 scrubber baghouse differential temperature monitoring information and averages, required Kiln 7 COMS monitoring information and averages, and any other records, monitoring, and background information used to calculate and submit annual emissions reporting to the Department, including but not limited to PM-10 and PM_{2.5}.

[Authority is also derived from 40 CFR Section 52.21(r) as applicable to the 2017 Kiln 6&7 Operational Gas Project]

IV. RECORDKEEPING REQUIREMENTS.**# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep a record of the current OM&M for Source ID P413 and make it available upon Department request, along with copies of the supporting documentation.

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

The permittee shall comply with the applicable recordkeeping requirements pertaining to Source ID P413, as specified in 40 CFR Sections 60.343.

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

[Authority is also derived from 25 Pa. Code Sections 127.444 and 127.511]

The permittee shall maintain records to verify compliance with the requirement to perform preheat burner tune-ups, as specified below under work practice requirements. The records shall include the following information, at least:

- (a) Manufacturer's recommended tune-up schedule;
- (b) Date and time of the performance of each of the preheat burner tune-ups;
- (c) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical preheat operation load, before and after the tune-up of the burner; and
- (d) A description of any corrective actions taken as a part of the preheat burner tune-up.

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

[Authority is also derived from 25 Pa. Code Sections 127.511 and 127.512]

**SECTION D. Source Level Requirements**

The permittee shall generate and maintain the monthly records of the monitoring data and other background info as required herein to determine the annual total emissions of VOC and HAP and other emissions associated with the Source ID P413 kiln 7 including but may not be limited to filterable particulate matter, PM-10, and PM2.5.

[Authority is also derived from 40 CFR Section 52.21(r) as applicable]

V. REPORTING REQUIREMENTS.**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the applicable reporting requirements pertaining to Source ID P413, as specified in 40 CFR Sections 60.343.

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

The permittee shall comply with the applicable reporting requirements pertaining to Source ID P413, as specified in 40 CFR Section 52.21(r)(6)(v), as applicable.

VI. WORK PRACTICE REQUIREMENTS.**# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall only use 22 weight (ounces per square yard) woven fiberglass fabric filter bags with expanded polytetrafluoroethylene (ePTFE) membrane, or another bag as approved by the Department that offers equivalent or better control of particulate matter emissions, in ID C413B.

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

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

(a) Source ID P413 shall not be operated without the simultaneous operation of the semi-wet scrubber, which is identified herein as ID C413A) and the ID C413B fabric collector.

(b) The emission of SO_x from Source ID P413 shall be controlled by ID C413A.

(c) The emission of particulate matter/PM₁₀ from Source ID P413 shall be controlled by ID C413B.

029 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(I) The permittee shall conduct tune-ups on the kiln preheat burner associated with Source ID P413, and maintain and operate the preheat burner in accordance with the burner manufacturer's recommended specifications and instructions. The tune-ups shall be conducted at a frequency as recommended by the manufacturer, and include the following procedures, at least:

(a) Inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled kiln shutdown);

(b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled kiln shutdown);

(d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x emissions restrictions; and

(e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

(II) After the performance of the first tune-up, the permittee shall conduct subsequent tune-ups within one year after the previous tune-up or as recommended by the manufacturer.

030 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

[Authority is also derived from 25 Pa. Code Sections 127.444 and 127.511]

Implementation of corrective action should be initiated during any operating periods of Source ID P413 in which the opacity approaches 10%, as continuously monitored by the COMS read-out inside the kiln operator room.

VII. ADDITIONAL REQUIREMENTS.**# 031 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P413 is subject to Compliance Assurance Monitoring as codified in 40 CFR Part 64. The permittee shall comply with the applicable provisions pertaining to Source ID P413, as specified in 40 CFR Sections 64.1 through 64.10.

032 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) Source ID P413 is comprised of Kiln No. 7, located at the Pleasant Gap plant, which is a 1,050 ton per day rotary lime kiln that is equipped with a 280 million Btu per hour burner and includes the dump hopper from Kiln 7. Kiln No. 7 may be fired on coal/petroleum coke and natural gas, as well as No. 2 fuel or natural gas for periods of kiln preheat.

(b) ID C413A is the semi-wet scrubbing system which is comprised of the following equipment and control devices (where applicable):

Pleasant Gap 327-SCC-732 Screw conveyor Enclosure C413A
Pleasant Gap 327-SPT-820 Spray Tower N/A C413A
Pleasant Gap 327-MIX-751 Conditioning drum 327-PDC-760 C413A
Pleasant Gap 327-SCC-753 Screw conveyor 327-PDC-760 C413A
Pleasant Gap 327-MIX-752 Conditioning drum 327-PDC-760 C413A
Pleasant Gap 327-MIX-753 Conditioning drum 327-PDC-760 C413A
Pleasant Gap 327-SCC-755 Screw conveyor 327-PDC-760 C413A
Pleasant Gap 327-SCC-752 Screw conveyor 327-PDC-760 C413A
Pleasant Gap 327-SCC-751 Screw conveyor 327-PDC-760 C413A
Pleasant Gap 327-SIL-751 Silo 327-PDC-760 C413A
Pleasant Gap 327-SIL-781 Silo 327-PDC-760 C413A
Pleasant Gap 327-SCC-001 Screw conveyor 327-PDC-760 C413A
Pleasant Gap 327-BOI-002 Boiler 327-PDC-760 C413A
Pleasant Gap 327-SCC-826 Screw conveyor 327-PDC-760 C413A
Pleasant Gap 327-ELE-732 Bucket Elevator 327-PDC-760 C413A
Pleasant Gap 327-SCC-828 Screw conveyor 327-PDC-760 C413A
Pleasant Gap 327-ELE-732 Elevator Enclosure C413A
Pleasant Gap 327-ELE-752 Elevator 327-PDC-760 C413A
Pleasant Gap 327-ELE-751 Elevator 327-PDC-760 C413A
Pleasant Gap 327-SCC-782 Screw conveyor 327-PDC-760 C413A
Pleasant Gap Blowoff Pipe to 327-SIL-781 Blowoff pipe 327-PDC-760 C413A
Pleasant Gap Blowoff Pipe to 327-SIL-751 Blowoff pipe 327-PDC-760 C413A
Pleasant Gap 327-SCC-754 Screw conveyor 327-PDC-760 C413A
Two waste bins

(c) ID C413B is a Solios suction-type, pulse jet fabric collector, designated as 326-PDC-760, which shall have a minimum fabric area of 50,668 square feet and shall not handle more than 152,000 actual cubic feet per minute of effluent gas from Source ID P413. Compartments may be taken offline in accordance with the Source ID P413 kilns OM&M plan, dated January 15, 2021.

033 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Source ID P413 is subject to the Standards of Performance for Lime Manufacturing Plants as codified in 40 CFR Part 60 Subpart HH. The permittee shall comply with the applicable requirements pertaining to Source ID P413, as specified in 40 CFR Sections 60.340 through 60.344.

**SECTION D. Source Level Requirements**

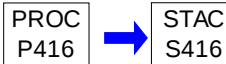
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P416

Source Name: COOLING TOWER [PG]

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission of particulate matter from the exhaust of Source ID P416 into the outdoor atmosphere in a manner that the concentration in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The particulate matter emissions from Source ID P416 shall not exceed 1 ton in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the total solids content of the water used by Source ID P416 on a semi-annual basis.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall keep records of the total solids content of the water used by Source ID P416 on a semi-annual basis.

(b) The permittee shall keep records of the supporting calculations for particulate matter emissions from Source ID P416 on monthly and rolling 12-month period bases.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P416 is the cooling tower associated with the waste-heat boiler.

**SECTION D. Source Level Requirements**

[The Source ID P416 cooling tower herein has been deactivated based on the maintenance plan submitted in April 2022. See section B herein for additional requirements on the reactivation of Source ID P416, if applicable]

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

**SECTION D. Source Level Requirements**

Source ID: P418

Source Name: LIME KILN NO. 8 [PG]

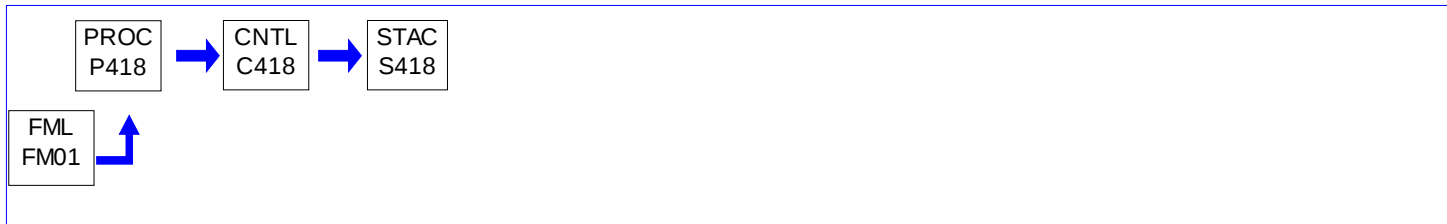
Source Capacity/Throughput:

27.500 Tons/HR

LIME

Conditions for this source occur in the following groups:

- CAM (KILN)
- CEMS & COMS
- CO PAL
- NOX PAL
- RACT
- SO2 PAL

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.41]****Limitations**

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

- (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.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the concentration of filterable particulate matter (PM) in the exhaust from the Kiln No. 8 baghouse (ID C418) shall not exceed 0.004 grain per dry standard cubic foot, and the total (filterable and condensable) PM shall not exceed 2.33 pounds per hour.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the concentration of filterable particulate matter with an effective aerodynamic diameter of less than 10 micrometers (PM10) in the exhaust from the Kiln No. 8 baghouse (ID C418) shall not exceed 0.003 grain per dry standard cubic foot, and the total (filterable and condensable) PM10 shall not exceed 1.97 pounds per hour.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the concentration of filterable particulate matter with an effective aerodynamic diameter of less than 2.5 micrometers (PM2.5) in the exhaust from the Kiln No. 8 baghouse (ID C418) shall not exceed 0.002 grain per dry standard cubic foot, and the total (filterable and condensable) PM2.5 shall not exceed 1.62 pounds per hour.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the particulate matter emissions from the kiln associated with Source ID P418 shall not exceed 0.10 pound per ton of limestone feed as measured using Method 5 in appendix A to Part 60 of 40 CFR and the limestone feed rate measurement over the period of the performance test.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the rate of emission of sulfur oxides (expressed as SO₂) from the kiln associated with Source ID P418 shall not exceed 23.0 pounds per hour (rolling 30-calendar day average).

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the emission of visible air contaminants from the kiln associated with Source ID P418 shall not exceed an average opacity for any 6-minute block period equal to 10%.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the rate of emission of volatile organic compounds from the kiln associated with Source ID P418 shall not exceed 0.10 pound per ton of lime.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the rate of emission of nitrogen oxides (expressed as NO₂) from the kiln associated with Source ID P418 shall not exceed 7.90 pounds per hour (rolling 30-calendar day averages) and 34.6 tons in any 12 consecutive month period.

The calendar day NO_x averaging above is streamlined into the tighter, operating day NO_x averaging, required herein.

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

Pursuant to the BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the rate of emission of carbon monoxide from the kiln associated with Source ID P418 shall not exceed 6.96 pounds per hour (rolling 30-calendar day average) and 26.5 tons in any 12 consecutive month period.

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

Pursuant to the best available control technology of the Prevention of Significant Deterioration requirements in 40 CFR Section 52.21 for greenhouse gas emissions, incorporated by reference into 25 Pa. Code Section 127.83, and the BAT requirements in 25 Pa. Code Sections 127.1 and 127.12, the kiln associated with Source ID P418 shall not use more than 3.65 MMBtu (HHV) of natural gas per ton of lime (rolling 12-month average).

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

Pursuant to 25 Pa. Code § 123.21, the sulfur dioxide emissions, expressed as SO₂, shall not exceed 500 parts per million (1-hour block average), by volume, dry basis. Compliance with the fuel restriction on Source P418 as required below will assure compliance with this SO₂ emission restriction in this permit condition.

Fuel Restriction(s).**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the BAT requirements in 25 Pa. Code Sections 127.1 and 127.12, the kiln associated with Source ID P418 shall be fired on only pipeline – quality natural gas.

II. TESTING REQUIREMENTS.

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

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

[Compliance with this streamlined permit condition will assure compliance with the applicable re-validation requirements as specified in 40 CFR § 52.21(aa)(12)(ix)]

Pursuant to the source monitoring provisions in 25 Pa. Code Sections 139.101 and 139.103, the required relative accuracy testing shall be completed on the SO₂ CEMS required on Source P418.

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

(a) Pursuant to the provisions of 25 Pa. Code §§ 139.101 and 139.103, the permittee shall install, certify, maintain and operate a continuous emission monitoring system for nitrogen oxides (expressed as NO₂), carbon monoxide, and sulfur oxides (expressed as SO₂) emissions, and opacity, on the kiln associated with Source ID 418, in accordance with all applicable requirements specified in Chapter 139 of Article III of the Rules and Regulations of the Department of Environmental Protection, the Department's Continuous Source Monitoring Manual as well as PS – 1 of Appendix B to Part 60 of 40 CFR, relating to continuous opacity monitoring systems.

(b) The continuous emission monitoring systems shall be capable of monitoring the nitrogen oxide, carbon monoxide and sulfur oxide concentrations, expressed in ppmv, emission rates, expressed in pound per hour, and total emissions in any 12 consecutive month period, expressed in tons per year.

(c) The CEMS as required above in (a) and (b) shall sample, analyze and record data at least every 15 minutes while the respective kiln is in operation including periods of startup, shutdown and malfunction. Data substitution as permitted in accordance with the Department's Continuous Source Monitoring Manual and the applicable performance specifications found in 40 CFR Part 60, Appendix B.

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

The permittee shall monitor the greenhouse gas emissions from the kiln associated with Source ID P418 in accordance with the applicable methods and procedures as specified in 40 CFR Part 98.

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

Pursuant to the best available control technology of the Prevention of Significant Deterioration requirements in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, as well as the BAT requirements in 25 Pa. Code Sections 127.1 and 127.12, the permittee shall install, operate and maintain instrumentation to continuously monitor the natural gas consumption and lime production of the kiln associated Source ID P418.

(a) The instruments to monitor the natural gas consumption and lime production of the kiln shall be installed, maintained and operated in accordance with manufacturers' specification

(b) The same plant instruments used to monitor natural gas consumption and lime production for accounting purposes shall be used in the monitoring of these parameters that are used to verify compliance with the BACT fuel efficiency limitation.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall install and maintain instrumentation to continuously and accurately measure the pressure differential across ID C418 and the actual pressure differential shall be displayed on a continuous basis.

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

[Authority is also derived from 25 Pa. Code Sections 127.511 and 127.512]

The permittee shall monitor and keep accurate and comprehensive for a period of at least a five (5) years records of the kiln operating conditions for Source ID P418, including the fuel usages, the stone feed rates, the type and rates of lime productions, the ID C418 differential pressure data, the kiln 8 baghouse exhaust opacity as well as the other background info used to derive the annual total particulate matter, PM-10 and PM_{2.5} emissions calculations for Source ID P418.

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

The permittee shall maintain records of a current, valid purchase contract, tariff sheet or transportation contract for the fuel used in the kiln associated with Source ID P418 to verify compliance with the fuel restriction for the kiln.

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

The permittee shall keep accurate and comprehensive records of the monthly emissions calculations of volatile organic compounds (VOC) from the kiln associated with Source ID P418 to demonstrate compliance with the combined VOC emissions limitation for all sources in operation at the facility. All supporting information used to establish compliance with the total VOC emissions restriction herein shall be maintained in accordance with the recordkeeping requirements in section B herein.

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

Pursuant to the best available control technology of the Prevention of Significant Deterioration requirements in 40 CFR Section 52.21 and of 25 Pa. Code Section 127.83, as well as the BAT requirements in 25 Pa. Code Sections 127.1 and 127.12, the permittee shall keep accurate and comprehensive records of the kiln's efficiency (MMBtu/ton of lime) at least on a monthly basis, including supporting sampling data, analyses and calculations, to verify compliance with the BACT fuel efficiency limitation of the kiln associated with Source ID P418. These records shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

[Authority is also derived from 25 Pa. Code Sections 127.511 and 127.512]

The permittee shall generate and maintain records of the monitoring data and other background info as required herein to determine the annual total emissions of filterable particulate matter, PM-10, and PM2.5 by the Source ID P418 kiln operation no later than March 1 of the following calendar year.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall not operate Source ID P418 without the simultaneous operation of the ID C418. The filterable PM, PM10, PM2.5 emissions from Source ID P418 shall be controlled by ID C418. The permittee is authorized to isolate and remove from service one compartment of ID C418 for maintenance purposes only. Normal operation shall be restored in accordance with good air pollution control practices and all other applicable requirements.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall keep on hand a sufficient quantity of spare fabric collector bags for ID C418 associated with Source ID P418 in order to be able to immediately replace any the bags requiring replacement due to deterioration.

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

Pursuant to BAT requirements of 25 Pa. Code §§ 127.1 and 127.12, the permittee shall only use 20 weight fiberglass bags with membrane (or other bags as approved by the Department) in the fabric collector associated with ID C418.

**SECTION D. Source Level Requirements**

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code Sections 127.444 and 127.511]

Implementation of corrective action should be initiated during any operating periods of Source ID P418 in which the opacity approaches 10%, as continuously monitored by the COMS read-out inside the kiln operator room.

VII. ADDITIONAL REQUIREMENTS.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P418 consists of a 660 tons per day, twin-shaft vertical lime kiln, designated as Kiln No. 8, that is equipped with 66 natural gas fuel delivery lances (2 sets of 33) with a total approximate heat input (HHV) equal to 100.4 MMBtu/hr. The air contaminant emissions from the kiln shall be controlled by the installation of ID C418 which is a pulse jet baghouse, designated as 328-PDC-870. The baghouse shall have a design effective area equal 26,734 square feet of fabric and a design volumetric rate of gas handled equal to 77,700 actual cubic feet per minute at 275 Fahrenheit. Compartments may be taken offline in accordance with the Source ID P418 kilns OM&M plan, dated January 15, 2021.

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

**SECTION D. Source Level Requirements**

Source ID: P515

Source Name: FLOUR PLANT [CONLIME]

Source Capacity/Throughput:

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P515 in a manner such that the concentration of particulate matter exceeds 0.04 grain per dry standard cubic foot in the exhaust of ID C515 (S515).

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.

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

The permittee shall operate instrumentation that continuously monitors the differential pressure of the ID C515 fabric collector.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

While Source ID P515 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of the fabric collector stack (S515) for a period of 1 minute, at least, to detect for the presence of visible emissions. The visual observation shall be conducted, at least, once in any calendar day unless the source is not in operation during daylight hours; at a location at least 15 feet but not more than 1320 feet from the fabric collector with the sun generally at the observers back and where a contrasting background is present to the extent controllable by the observer; and only by personnel trained to have knowledge and understanding of the effects of background contrast, ambient lighting, and where the personnel should stand to conduct the visual observation.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

While Source ID P515 is in operation, the permittee shall record the differential pressure of the ID C515 fabric collector to verify the differential pressure is within the manufacturer's recommended specifications. The differential pressure shall be recorded once in any calendar week, at least, unless the source was not in operation during the entire calendar week. The records shall be kept in a logbook or electronically and shall also include the date and time and the source operating conditions as existing at the time of each record, the initials of plant personnel, and description and timing of any corrective action(s) that were taken to restore normal operation.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall keep records, in a logbook or electronically, that demonstrate conformance with the permit condition that requires performance of daily inspections of the fabric collector stack (S515), as specified under monitoring requirements,

**SECTION D. Source Level Requirements**

including the date and time, the operating conditions and description of the visual background as existing at the time of each inspection, the results of each inspection, the initials of plant personnel, and description and timing of any corrective actions taken to restore normal operation.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

a) The below Source ID P515 equipment authorized herein has been deactivated based on the maintenance plan submitted in December 2021. See section B herein for additional requirements on the reactivation of Source ID P515, if applicable.

b) Source ID 515 consists of the following sources, and each of the sources respective control device is also on the source list provided below as follows, Source Designation, Control Device ID, where applicable).

C515 Flour Plant Collector Dust Collector N/A P515
Rock Dust Loadout Spout Loading Spout C515 P515
Truck Bunker (70 ton bin) Silo C515 P515
C515 Screw Screw conveyor under C515 Enclosure P515
Rock Dust Bins Bin Enclosure P515
Screw Conveyor 2 (from Rock Dust Bin) Screw conveyor Enclosure P515
Bagger C515 P515

c) ID C515, a Sly model 14B fabric collector, shall control the air contaminant emissions from the sources associated with Source ID P515, as specified above.

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

The permittee shall not operate sources controlled by ID C515 during those times when the bags in the fabric collector are being shaken.

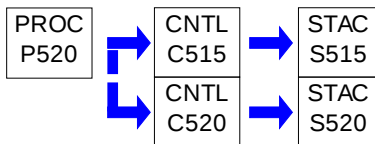
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P520

Source Name: GLASSHOUSE TRUCK LOADOUT [CONLIME]

Source Capacity/Throughput:

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

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P520 in a manner such that the concentration of particulate matter exceeds 0.04 grain per dry standard cubic foot at the exhaust of ID C520 (S520).

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

[Additional authority for this permit condition is derived from the RFD approval 2007-0618]

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P515 in a manner such that the concentration of particulate matter exceeds 0.02 grain per dry standard cubic foot in the exhaust of ID C515 (S515).

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

[Additional authority for this permit condition is derived from the RFD approval 2007-0618]

No person may permit the emission into the outdoor atmosphere of visible air contaminants in a manner such that the opacity of the visible air contaminants from the exhaust of ID C515 (S515) exceeds 7%.

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

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

The permittee shall operate instrumentation that continuously monitors the differential pressure of each fabric collector (C515 and C520).

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

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

While Source ID P520 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each fabric collector stack (S515 and S520) for a period of 1 minute, at least, to detect for the presence of visible emissions. The visual observation shall be conducted, at least, once in any calendar day unless the source is not in operation during daylight hours; at a location at least 15 feet but not more than 1320 feet from the fabric collector with the sun generally at the observers back and where a contrasting background is present to the extent controllable by the observer; and only by personnel trained to have knowledge and understanding of the effects of background contrast, ambient lighting, and where the personnel should stand to conduct the visual observation.

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

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

While Source ID P520 is in operation, the permittee shall record the differential pressure of each fabric collector (C515 and C520) to verify the differential pressure is within the manufacturer's recommended specifications. The differential pressure shall be recorded once in any calendar week, at least, unless the source was not in operation during the entire calendar week. The records shall be kept in a logbook or electronically and shall also include the date and time and the source operating conditions as existing at the time of each record, the initials of plant personnel, and description and timing of any corrective action(s) that were taken to restore normal operation.

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

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

The permittee shall keep records, in a logbook or electronically, that demonstrate conformance with the permit condition that requires performance of daily inspections of each fabric collector stack (S515 and S520), as specified under monitoring requirements, including the date and time, the operating conditions and description of the visual background as existing at the time of each inspection, the results of each inspection, the initials of plant personnel, and description and timing of any corrective actions taken to restore normal operation.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

The permittee shall not operate Source ID P520 during those times when IDs C520 and C515 are being shaken.

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

All dump trucks, or other open-topped trucks loaded with Source ID P520 must be equipped with a tight fitting tarp incorporating sewn-in loading socks which fasten directly to Source ID P520 load-out spouts.

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

a) The below Source ID P520 equipment authorized herein has been deactivated based on the maintenance plan submitted in December 2021. See section B herein for additional requirements on the reactivation of Source ID P520, if applicable.

b) Source ID P520 consists of the following sources, and each of the sources respective control device is also on the source list provided below as follows, Source Reference ID, Type of Source, Control Device Reference ID (where applicable):

C520 Truck Loadout Collector Dust Collector N/A P520 .
Glasshouse Silo Silo C515 P520 .
Glasshouse Elevator Elevator C515 P520 .
Screw Conveyor 1 Screw conveyor C515 P520 .
Silo Transfer Pipe Transfer Pipe C515 P520 .
Loading Tank Silo C515 P520 .

**SECTION D. Source Level Requirements**

Screw Under Silo Screw conveyor C515 P520 .
Truck Loadout Spout Loading Spout C520 P520

- c) ID C520, a Sly model PS-3 fabric collector, shall control the air contaminant emissions from the source, as specified above.
- d) ID C515, a Sly model 14B W.W. fabric collector, shall control the air contaminant emissions from the sources, as specified above.

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

**SECTION D. Source Level Requirements**

Source ID: P522

Source Name: PLANT ROADS [CONLIME]

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).

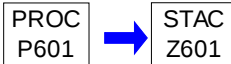
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P601

Source Name: COLD CLEANING MACHINE (PARTS WASHER) [PG]

Source Capacity/Throughput:

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

After December 22, 2002, a person may not use, sell or offer for sale for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

A person who operates a cold cleaning machine shall maintain for at least 2 years and shall provide to the Department, on request, the following information as well as the information specified below. An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other appropriate documentation acceptable to the Department may be used to comply with this section.

- (i) The name and address of the solvent supplier.
- (ii) The type of solvent including the product or vendor identification number.
- (iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

V. REPORTING REQUIREMENTS.**# 003 [25 Pa. Code §129.63]****Degreasing operations**

On and after December 22, 2002, a person who sells or offers for sale any solvent containing VOCs for use in a cold cleaning machine shall provide, to the purchaser, the following written information:

- (i) The name and address of the solvent supplier.
- (ii) The type of solvent including the product or vendor identification number.
- (iii) The vapor pressure of the solvent measured in mm hg at 20°C (68°F).

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §129.63]****Degreasing operations**

- (1) Immersion cold cleaning machines shall have a freeboard ratio of 0.50 or greater.
- (2) Immersion cold cleaning machines and remote reservoir cold cleaning machines shall:
 - (i) Have a permanent, conspicuous label summarizing the operating requirements in paragraph (3) of this condition. In addition, the label shall include the following discretionary good operating practices:
 - (A) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.
 - (B) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
 - (C) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.
 - (ii) Be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent. For remote reservoir cold cleaning machines which drain directly into the solvent storage reservoir, a perforated drain with a diameter of not more than 6 inches shall constitute an acceptable cover.
- (3) Cold cleaning machines shall be operated in accordance with the following procedures:
 - (i) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
 - (ii) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
 - (iii) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.
 - (iv) Air agitated solvent baths may not be used.
 - (v) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

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

Source ID P601 is subject to 25 Pa. Code Section 129.63, (relating to degreasing operations). The permittee shall comply with the applicable requirements pertaining to Source ID P601, as specified under 25 Pa. Code Section 129.63.

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

Source ID P601 consists of a cold cleaning machine, or parts washer, located at the mobile shop.

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

**SECTION E. Source Group Restrictions.**

Group Name: CAM (KILN)

Group Description: CAM requirement for the kiln CAM sources/fabric collectors

Sources included in this group

ID	Name
C408	LIME KILN 6 FABRIC COLLECTOR (326-PDC-660)
C413A	LIME KILN 7 SEMI-WET SCRUBBER (327-SWS-760)
C413B	LIME KILN 7 FABRIC COLLECTOR (327-PDC-760)
C418	KILN NO. 8 BAGHOUSE (328-PDC-870)
P408	LIME KILN NO. 6 [PG]
P413	LIME KILN NO. 7 [PG]
P418	LIME KILN NO. 8 [PG]

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.**# 001 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

(a) The permittee shall conduct recurring Department-approved, BAT compliance performance testing, every 5 years, on each of the lime kiln operations associated with Source IDs P408, P413 and P418, using the Department approved EPA methods and other procedures to verify compliance with their particulate matter (PM) and PM-10 BAT compliance performance emissions standards and to confirm the appropriateness of indicator ranges and designated conditions being used for each of the above kilns to satisfy the applicable requirements under 40 CFR §§64.3 and 64.6.

(b) For each of the kilns associated with Source IDs P408, P413 and P418, their required 5-year PM and PM-10 BAT compliance performance emissions standard testing (including filterable and condensable) shall be done within 63 months after the last one. The last PM and PM-10 compliance performance tests for Kiln 6 (Source ID P408) and Kiln 7 (Source ID P413) were conducted in June 2023 by the permittee and the last PM and PM-10 testing for Kiln 8 (Source ID P418) were conducted in September 2021 by the permittee.

(c) Each of the Source ID P408, P413 and P418 compliance performance tests required pursuant to this condition shall be done by the permittee in an acceptable manner by following the other applicable testing requirements within Sections B and C herein.

(d) In addition, the permittee shall conduct accurate and comprehensive records of each Source IDs P408, P413 and P418's quality assured, Department-certified COMS data and other required Title V permit monitoring data and supporting information necessary to verify continuous and/or intermittent compliance with the kilns applicable BAT compliance performance emissions standards, as applicable, herein, and pursuant to the annual Title V permit report certifications required herein in Sections B and C. In addition, the permittee shall keep supporting information to verify that the 10% opacity limit for each kiln is established at a sufficient level to assure compliance with their maximum particulate levels/emissions restrictions herein.

III. MONITORING REQUIREMENTS.**# 002 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

(a) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C408 to verify that valid readings are being measured, and daily averages are being maintained above 2.0 in. w.c. (based on valid data).

(b) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C413 to verify that valid readings are being measured, and daily averages are being maintained above 3.9 in. w.c., or alternative minimum differential pressure as established by a subsequent stack test (based on valid data).

**SECTION E. Source Group Restrictions.**

(c) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C418 to verify that valid readings are being measured, and daily averages are being maintained above 2.0 in. w.c. (based on valid data).

(d) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

003 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

(a) For the Source ID C413A scrubber, the permittee shall continuously monitor and record its differential temperature as a compliance assurance indicator to verify that it is equal to or above 100 degrees Fahrenheit. Averaging periods based on fuel mixture are outlined in Condition #012.

(b) Continuous differential temperature monitoring shall include alarms to alert personnel of upset conditions that may occur.

(c) Differential temperatures shall be monitored and recorded continuously during all kiln 7 operating periods except when the unit is operating in startup and shutdown mode as defined within its CAM plan.

004 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

The Department-certified COMS on each Source ID P408, P413 and P418 shall be installed, maintained, calibrated and operated, by the permittee, as required within 25 Pa. Code Chapter, the Department's Continuous Source Monitoring Manual, Revision No. 8, and PS-1 of appendix B to part 60 of this chapter (Title 40, Chapter 1). The COMS shall allow for reporting of exceedances of the 10% opacity limitation based on a 6-minute block averaging period.

005 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

The Department-certified SO₂ CEMS on Source ID P413 shall be installed, maintained, calibrated and operated, by the permittee, as required within 25 Pa. Code Chapter 139, the Department's Continuous Source Monitoring Manual, Revision No. 8, and PS - 2 of 40 CFR Part 60, appendix B. The CEMS shall allow for reporting of exceedances of the SO₂ limits of 500 ppm and 92.83 lb/hr based on the required 1-hour and 3-hour averaging periods, respectively.

Compliance with any subsequently issued revision to the CSMM will constitute compliance with the respective requirement above.

IV. RECORDKEEPING REQUIREMENTS.**# 006 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

(a) The permittee shall maintain and make available, upon request by the Department, records of required CAM plan monitoring information pertaining to Source IDs P408, P413 and P418 in accordance with the recordkeeping requirements in section B herein or as otherwise specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

(b) The records shall also include the information required by 40 CFR section 64.9(b), relating to General Recordkeeping Requirements.

007 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

The permittee shall maintain and make available, upon request by the Department, records of the information to verify that the required gauges used to establish compliance are properly maintained and continually operated in accordance with 40 CFR sections 64.7(b) and (c).

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.****# 008 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

(a) The permittee shall provide within the semi-annual reports submitted to the Department the following info, including, at minimum, the number, duration and cause (including unknown, if applicable) of the excursion(s) that may occur during the reporting period and the corrective actions taken to abate each one, as well the number, duration and cause (including unknown, if applicable) of all monitor downtime incidents or malfunctions.

(b) The semi-annual CAM reports shall be submitted to the Department by no later than September 1 for the reporting period from January through June in the concurrent year and by March 1 for the reporting period from July through December in the previous year.

009 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

The permittee shall promptly notify the Department if the need for improved monitoring is discovered, as outlined 40 CFR section 64.7(e).

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.**# 010 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

(a) The permittee shall fulfill all applicable obligations as specified in 40 CFR sections 64.7 through 64.9.

(b) The provisions specified under 40 CFR section 64.8 apply to each source upon implementation of a quality improvement plan (QIP) being required for Department review and approval.

(c) Pursuant to 40 CFR section 64.8(a), the implementation of a QIP will be required on a source based on the respective PSEU's applicable CAM plan specifications, unless otherwise determined and required, in writing, by the Department.

011 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

The Source IDs P408 and C408 kiln 6 and baghouse/compartments, the Source IDs P413 and C413A&B kiln 7, scrubber and baghouse/compartments, and the Source IDs P418 and C418 kiln 8 and baghouse/compartments are subject to the Compliance Assurance Monitoring (CAM) regulations of 40 CFR Part 64. The permittee shall comply with all applicable requirements pertaining to each source, as specified in 40 CFR sections 64.1 through 64.10.

012 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

SO₂ compliance performance excursions are submitted to be different based on the various sulfur levels of fuels being fired within Source ID P413 or C413A's inlet SO₂ emissions during normal operation):

(a) While firing natural gas and coal fuel mixtures (under normal operation mode - minimum 8.0 tph coal or thermally equivalent gas/coal mixture), an excursion is defined as any calendar operating day in which the daily average was below the above limit (based on valid readings).

(b) While firing 100% coal (under normal operation mode - minimum 8.0 tph coal), an excursion is defined as any calendar operating day in which the hourly average was below the above limit (based on valid readings).

(c) The Department reserves the authority to establish a minimum data availability requirement for valid data collection for each averaging period, if appropriate, and a minimum data availability requirement for the averaging periods in a reporting

**SECTION E. Source Group Restrictions.**

period, if appropriate.

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

**SECTION E. Source Group Restrictions.**

Group Name: CAM (OTHER PSEU)

Group Description: CAM requirements for the CAM sources/fabric collectors

Sources included in this group

ID	Name
C17	DYNACLONE FABRIC COLLECTOR (CON-LIME)
C275A	FABRIC COLLECTOR (STONE, 305-PDC-324)
C310P	PLS FABRIC COLLECTOR (535-PDC-250)
C310R	ROTARY DRYER FABRIC COLLECTOR (535-PDC-118)
C311A	HYDRATOR FABRIC COLLECTOR (405-PDC-136)
C313A	ENHANCED HYDRATE FABRIC COLLECTOR NO. 1 (408-PDC-180)
C313B	ENHANCED HYDRATE FABRIC COLLECTOR NO. 2 (408-PDC-210)
C313C	ENHANCED HYDRATE FABRIC COLLECTOR NO. 3 (408-PDC-320)
C313D	ENHANCED HYDRATE FABRIC COLLECTOR NO. 4 (410-PDC-020)
C313E	ENHANCED HYDRATE FABRIC COLLECTOR NO. 5 (410-PDC-082)
C313F	ENHANCED HYDRATE FABRIC COLLECTOR NO. 6 (408-RVA-520)
C314A	BAGGING SYSTEM FABRIC COLLECTOR (385-PDC-926)
C411A	PULSE JET FABRIC COLLECTOR (345-PDC-500)
P108	LIME LOAD-OUT AND BAGGING [CONLIME]
P275	CRUSHING/SIZING/STORAGE OPERATIONS [PG]
P308	LIMESTONE SCREENING [PG]
P310	PULVERIZED LIMESTONE SYSTEM [PG]
P311	STANDARD HYDRATE SYSTEM [PG]
P313	ENHANCED HYDRATE SYSTEM
P314	QUICKLIME BAGGING [PG]
P409	KILN 6 & 7 STONE RECLAIM [PG]
P411	LIME HANDLING [PG]

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.**# 001 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

(a) For each Source IDs C275A and C310P authorized herein, the permittee shall conduct Method 22 testing on baghouse exhaust for visible emissions, and their respective material handling processing equipment for visible fugitive air contaminants, using a quarterly schedule, in accordance with 40 CFR 60.674, with no less than 30 days in between the required quarterly testing. The test is successful if no visible emissions are observed.

(b) For each Source IDs C310R, C313A, C313B, C313C, C313D, C313E, C313F, C411A, C311A and C314A authorized herein (and Source C17 as applicable), the permittee shall conduct Method 22 testing on baghouse exhaust for visible emissions, and their respective material handling processing equipment and/or associated buildings for visible fugitive air contaminants, using a graduated schedule, such that the frequency of testing may be reduced to semi-annual if no visible emissions are observed in two (2) consecutive quarterly tests and may be reduced to annual if no visible emissions are observed in one (1) semi-annual test.

[Authority for paragraph (a) is also derived from 40 CFR Part 60 subpart OOO]

002 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

**SECTION E. Source Group Restrictions.**

Regarding CAM nuisance fabric collectors Source IDs C275A, C310P, C310R, C313A, C313B, C313C, C313D, C313E, C313F, C411A, C311A and C314A (as well as Source ID C17 as applicable upon reactivation).

(a) The permittee shall conduct performance testing within 180 days from issuance of this DEP Auth ID, and every 5 years, thereafter, using Department approved EPA methods and other procedures, to verify compliance with applicable BAT compliance performance standards and to confirm the appropriateness of indicator ranges and designated conditions being used for the above to satisfy 40 CFR §64.3(a)(2) and (3) and consistent with the schedule in 40 CFR §64.4(e).

(b) The above testing shall be conducted on at least two (2) of the baghouses identified above, which are representative of compliance performance, based on maximum routine operating conditions, including but not limited to inlet particulate loading, baghouse gas temperatures and composition, source operating time, bag/filter service life, etc. The units to be tested and supporting basis for these determinations shall be submitted for Department review and approval within test protocol required to be submitted as per section C herein.

III. MONITORING REQUIREMENTS.**# 003 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

(a) For each Source ID C275A (305-PDC-324), C310P (535-PDC-250), C313A (408-PDC-180), C313B (408-PDC-210), C313F (408-RVA-520), C313D (410-PDC-020), C313E (410-PDC-082) and C411A (345-PDC-500), the permittee shall continuously monitor and record the differential pressures across each baghouse to verify that valid readings are being measured, and daily averages are being maintained above 2.0 and below 10.0 in. w.c. (based on valid data).

(b) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C311A (standard hydrator collector 405-PDC-136) to verify that valid readings are being measured, and daily averages are being maintained above 0.1 kPa (based on valid data).

(c) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C313C (enhanced hydrator collector 408-PDC-320) to verify that valid readings are being measured, and daily averages are being maintained above 0.1 in. w.c. (based on valid data).

(d) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C314A (fabric/dust collector 385-PDC-926) to verify that valid readings are being measured, and daily averages are being maintained above 0.5 in. w.c. (based on valid data).

(e) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C310R (rotary dryer fabric collector 535-PDC-118) to verify that valid readings are being measured, and daily averages are being maintained above 2.0 in. w.c. (based on valid data).

(f) The permittee shall continuously monitor and record the differential pressures across baghouse Source ID C17 (Dynaclone baghouse dust collector) to verify that valid readings are being measured, and daily averages are being maintained above 0.5 and below 8.0 in. w.c. (based on valid data).

(g) Continuous differential pressure monitoring shall include alarms to alert personnel of upset conditions that may occur.

(h) The accuracy of the differential pressure measurement devices used to record data that is used to establish compliance shall be $\pm 2.0\%$ of the span at least.

IV. RECORDKEEPING REQUIREMENTS.**# 004 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

[Authority is also derived from 40 CFR section 64.9]

The permittee shall maintain and make available, upon request by the Department, records of required Title V permit monitoring information pertaining to each Source ID C275A, C310P, C310R, C313A, C313B, C313C, C313D, C313E, C313F, C411A, C311A and C314A in accordance with the recordkeeping requirements in section B herein or as otherwise

**SECTION E. Source Group Restrictions.**

specified in the applicable requirements. If there is a conflict between requirements, the more stringent one applies by default.

V. REPORTING REQUIREMENTS.**# 005 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

[Authority is also derived from 25 Pa. Code sections 127.444 and 127.5111]

(a) The permittee shall provide within the semi-annual reports submitted to the Department the following info, including, at minimum, the number, duration and cause (including unknown, if applicable) of the excursion(s) that may occur during the reporting period and the corrective actions taken to abate each one, as well the number, duration and cause (including unknown, if applicable) of all monitor downtime incidents or malfunctions.

(b) The semi-annual CAM reports shall be submitted to the Department by no later than September 1 for the reporting period from January through June in the concurrent year and by March 1 for the reporting period from July through December in the previous year.

006 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

The permittee shall promptly notify the Department if the need for improved monitoring is discovered, as outlined 40 CFR section 64.7(e).

VI. WORK PRACTICE REQUIREMENTS.**# 007 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

The permittee shall maintain and make available, upon request by the Department, records of the information to verify that the required differential pressure gauges used to establish compliance are properly maintained and continually operated in accordance with 40 CFR sections 64.7(b) and (c), as well as documentation verifying that the Method 22 are conducted by personnel that are properly trained (e.g. lecture portion of the Method 9 certification).

VII. ADDITIONAL REQUIREMENTS.**# 008 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]****Sections of PART 64****Approval of monitoring**

(a) The permittee shall fulfill all applicable obligations as specified in 40 CFR sections 64.7 through 64.9.

(b) The provisions specified under 40 CFR section 64.8 apply to each source upon implementation of a quality improvement plan (QIP) being required for Department review and approval.

(c) Pursuant to 40 CFR section 64.8(a), the implementation of a QIP will be required on a source based on the respective PSEU's applicable CAM plan specifications, unless otherwise determined and required, in writing, by the Department.

009 [40 CFR Part 64 Compliance Assurance Monitoring for Major Stationary Sources §40 CFR 64.6]**Sections of PART 64****Approval of monitoring**

The pollutant specific emission units (PSEUs) associated with each Source ID P275/C275A, P310/C310P, P310/C310R, P313/C313A, P313/C313B, P313/C313C, P313/C313D, P313/C313E, P313/C313F, P411/C411A, P311/C311A and P314/C314A, as well as Source ID P108/C17 (as applicable upon reactivation), are subject to Compliance Assurance Monitoring (CAM) requirements as specified in 40 CFR Part 64. The permittee shall comply with all applicable requirements pertaining to each PSEUs, at this facility, as specified in 40 CFR sections 64.1 through 64.10.

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

**SECTION E. Source Group Restrictions.**

Group Name: CEMS & COMS

Group Description: Applicable CEMS or COMS requirements

Sources included in this group

ID	Name
P408	LIME KILN NO. 6 [PG]
P413	LIME KILN NO. 7 [PG]
P418	LIME KILN NO. 8 [PG]

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

[Authority is also derived from 40 CFR 60.343, 25 Pa. Code Sections 139.101(1)(iv), 139.101(2), 139.101(3), 139.101(4), 139.101(6), 139.101(7), 139.101(8), 139.101(12), 139.101(14) and 139.101(15)]

For each of the required continuous emission and opacity monitors, the Continuous Emission or Opacity Monitoring System and its components must be operated and maintained in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) and the "Quality Assurance" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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

(a) The following continuous emission monitoring systems (CEMSs) must be installed, approved by the Department, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), and the "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Kiln no. 8 CEMSs for NO_x, CO, and SO₂, as well as COMS

1. Source Combination to be Monitored: Source ID P418

2. Parameters to be Reported: NO_x, CO, SO₂ and Opacity

3. Units of Measurement to be Reported: See below

4. Moisture Basis of Measurement to be Reported: NA

5. Correction basis of Measurements to be Reported: None

6. Data Substitution Required: Yes, for NO_x, CO, and SO₂, highest 30-day rolling average in the quarter on one hour basis. No for opacity.

7. Emission Standards NO_x

(1) 30-operating day averages, rolling, less than equal to 7.9 Lbs/hr NO_x, for BAT compliance purposes. AND

(2) 30-operating day averages, rolling, less than equal to the 4.6 Lbs/ton RACT presumptive limit. AND

(3) 12-Month sum, rolling by 1 month, less than equal to 69,200 Lbs NO_x (34.6 tons/yr)

8. Emission Standards CO

(1) 30-calendar day averages, rolling by 1 day, less than equal to 6.96 Lbs/hr CO. AND

(2) 12-Month sum totals, rolling by 1 month, less than equal to 53,000 lbs CO (26.5 tons/yr)

9. Emission Standards SO₂

(1) 30-calendar day averages, rolling by 1 day, less than equal to 23.00 Lbs/hr SO₂. AND

(2) 1-Hour average, block, less than equal to 500 ppm SO₂

10. Emission Standards Opacity

(1) 6-minute averages, block, less than 10%. AND

(2) 1-minute averages, block, less than 60% AND

(3) 1-minute averages, block, less than 20%, for a period or periods aggregating more than three minutes in any 1 hour.

**SECTION E. Source Group Restrictions.**

(b) The following continuous emission monitoring systems (CEMSs) must be installed, approved by the Department, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) , and the "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Kiln no. 7 CEMSs for NO_x, CO, and SO₂, as well as COMS

1. Source Combination to be Monitored: Source ID P413

2. Parameters to be Reported: NO_x, CO, SO₂ and Opacity

3. Units of Measurement to be Reported: See below

4. Moisture Basis of Measurement to be Reported: NA

5. Correction basis of Measurements to be Reported: None

6. Data Substitution Required: Yes, for NO_x, CO, and SO₂, highest 30-day rolling average in the quarter on one hour basis. No for opacity.

7. Emission Standards NO_x

(1) 30-operating day averages, rolling, less than equal to 179 Lbs/hr NO_x, for RACT/BAT compliance purposes. AND

(2) 30-operating day averages, rolling, less than equal to the 4.6 Lbs/ton RACT presumptive limit. AND

(3) 12-Month sum, rolling by 1 month, less than equal to 1,418,000 Lbs NO_x (709 tons/yr)

8. Emission Standards CO

(1) 1-Hour averages, block, less than equal to 1,800 Lbs/hr CO. AND

(2) 12-Month sum totals, rolling by 1 month, less than equal to 2,300,000 Lbs CO (1,150 tons/yr)

9. Emission Standards SO₂

(1) 3-Hour averages, block, less than equal to 92.83 Lbs/hr SO₂. AND

(2) 1-Hour averages, block, less than equal to 500 ppm SO₂ AND

(3) 12-Month sum totals, rolling by 1 month, less than equal to 426,000 Lbs SO₂ (213 tons/yr)

10. Emission Standards Opacity

(1) 6-minute averages, block, less than 10%. AND

(2) 1-minute averages, block, less than 60% AND

(3) 1-minute averages, block, less than 20%, for a period or periods aggregating more than three minutes in any 1 hour.

(c) The following continuous emission monitoring systems (CEMSs) must be installed, approved by the Department, operated and maintained in accordance with the requirements of 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources) , and the "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Kiln no. 6 CEMSs for NO_x, CO, and SO₂, as well as COMS

1. Source Combination to be Monitored: Source ID P408

2. Parameters to be Reported: NO_x, CO, SO₂ and Opacity

3. Units of Measurement to be Reported: See below

4. Moisture Basis of Measurement to be Reported: NA

5. Correction basis of Measurements to be Reported: None

6. Data Substitution Required: Yes, for NO_x, CO, and SO₂, highest 30-day rolling average in the quarter on one hour basis. No for opacity.

7. Emission Standards NO_x

(1) 30-operating day averages, rolling, less than equal to 205 Lbs/hr NO_x, for RACT/BAT compliance purposes. AND

(2) 30-operating day averages, rolling, less than equal to the 4.6 Lbs/ton RACT presumptive limit. AND

(2) 12-Month sum, rolling by 1 month, less than equal to 1,534,000 Lbs NO_x (767 tons/yr)

8. Emission Standards CO

(1) 1-Hour averages, block, less than equal to 1,431 Lbs/hr CO. AND

(2) 12-Month sum totals, rolling by 1 month, less than equal to 2,628,000 Lbs CO (1,314 tons/yr)

9. Emission Standards SO₂

(1) 3-Hour average, block, less than equal to 305.0 Lbs/hr SO₂. AND

(2) 1-Hour average, block, less than equal to 500 ppm SO₂ AND

(3) 12-Month sum totals, rolling by 1 month, less than equal to 1,142,000 Lbs SO₂ (571 tons/yr)

10. Emission Standards Opacity

(1) 6-minute average, block, less than 10%. AND

**SECTION E. Source Group Restrictions.**

- (2) 1-minute average, block, less than 60% AND
- (3) 1-minute average, block, less than 20%, for a period or periods aggregating more than three minutes in any 1 hour.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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

[Authority is also derived from 40 CFR 60.343, and 25 Pa. Code Sections 139.101(5), 139.101(12) and 139.103]

(a) For each of the required continuous emission and opacity monitors, the permittee shall comply with the recordkeeping requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the "Record Keeping and Reporting" requirements in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001, and the recordkeeping requirements established in 40 CFR Part 60 subpart HH in regard to the required continuous monitoring for opacity.

(b) Records shall be retained for at least 5 years and shall be made available to the Department upon request.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with paragraph (a) of this permit condition.

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

[Authority is also derived from 40 CFR 60.343, and 25 Pa. Code Sections 139.101(5), 139.101(12) and 139.103]

(a) For each of the required continuous emission and opacity monitors, the permittee shall submit quarterly reports of continuous emission monitoring to the Department in accordance with the requirements established in 25 Pa. Code Chapter 139, Subchapter C (relating to requirements for source monitoring for stationary sources), (and) the "Record Keeping and Reporting" requirements as established in the Department's Continuous Source Monitoring Manual, Revision No. 8, 274-0300-001.

(b) The permittee shall report emissions for all periods of kiln operation, including startup, shutdown and malfunction.

(c) Initial quarterly reports following system certification shall be submitted to the Department within 35 days following the date upon which the Department notifies the owner or operator, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standards.

(d) Subsequent quarterly reports shall be submitted to the Department within 30 days after the end of each calendar quarter.

(e) Failure to submit required reports of continuous emission monitoring within the time periods specified in this condition, shall constitute violations of this permit, unless approved in advance by the Department in writing.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with paragraph (a) of this permit condition.

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

(a) In accordance with 25 Pa. Code Section 139.101(12), each of the required CEMS monitoring shall, at a minimum, meet one of the following data availability requirements unless otherwise stipulated in this permit, a plan approval, Title 25 or an order issued under Section 4 of the Air Pollution Control Act:

(i) In each calendar month, at least 90% of the time periods for which an emission standard applies shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-

**SECTION E. Source Group Restrictions.**

0300-001. OR

(ii) In each calendar quarter, at least 95% of the hours shall be valid as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(b) As required under 25 Pa. Code Section 139.103(2) each of the opacity monitoring systems shall meet at least one of the following data availability requirements, unless otherwise stipulated in this permit, a plan approval, Title 25 or an order issued under Section 4 of the Air Pollution Control Act:

(i) At least 90% of the hours in each calendar month shall be valid hours as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001. OR

(ii) At least 95% of the hours in each calendar quarter shall be valid hours as set forth in the Quality Assurance section of Revision No. 8 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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.**

Group Name: CO PAL

Group Description: CO PAL permit limit and other conditions

Sources included in this group

ID	Name
032	COMBUSTION UNITS AND HEATERS AT PG AND BEL
P310	PULVERIZED LIMESTONE SYSTEM [PG]
P313	ENHANCED HYDRATE SYSTEM
P321	MISCELLANEOUS EMERGENCY GENERATORS [PG]
P328	KILN 8 EMERGENCY GENERATOR
P408	LIME KILN NO. 6 [PG]
P413	LIME KILN NO. 7 [PG]
P418	LIME KILN NO. 8 [PG]

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

Pursuant to the plantwide applicability limit (PAL) provisions under 40 CFR § 52.21(aa):

(a) The total combined carbon monoxide (CO) emissions, including fugitive emissions, to the extent quantifiable, if any, from the facility, shall not exceed 913.5 tons in any 12 consecutive month period. The CO PAL permit effective period was issued began on June 20, 2017, the issuance date of DEP Auth 1149263, and will expire 10 years from this date unless otherwise specified herein.

(b) The emissions calculations used to establish compliance with the CO PAL permit shall include the emissions from all emission units including their startups, shutdowns and any continued source operations during malfunctions.

(c) For each month during the CO PAL effective period after the first 12 months of establishing the CO PAL, the permittee shall demonstrate that the sum of the monthly emissions from each source under the PAL for the previous 12 consecutive months is less than the CO PAL level noted above within paragraph (a) of this permit condition. For each month during the first 11 months from the CO PAL effective date, the permittee shall demonstrate that the sum of the preceding monthly emissions from the CO PAL effective date for each source under the PAL is less than the CO PAL level noted above within paragraph (a) of this permit condition.

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

(a) Pursuant to 25 Pa. Code Sections 139.101, the relative accuracy and any other testing shall be completed on each the kilns associated with Source IDs P408, P413 and P418 including the CO CEMS installation used to establish CO PAL emissions compliance

(b) The other testing on the non-CEMS emission units authorized herein shall be done in accordance with Department-approved methods and other procedures as required in accordance with section C herein.

[Compliance with the above requirements will assure compliance with the re-validation requirements as applicable pursuant to 40 CFR § 52.21(aa)(12)(ix)]

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

Pursuant to 40 CFR §§ 52.21(aa)(7), (12) and (13):

(a) The permittee shall perform periodic monitoring of total fuel usages, at minimum, on a monthly basis, and shall maintain and make available, upon request by the Department, records of the total monthly fuel consumption or throughput

**SECTION E. Source Group Restrictions.**

for each of the combustion sources associated with Source IDs 032, P310 and P313, on a calendar month basis, in accordance with the recordkeeping requirements within section B herein.

(b) If otherwise missing or invalid, the permittee may use, on a limited basis, the highest total monthly fuel throughput rate from previous 12-consecutive month as the substituted data for a calendar month in order to determine compliance with the CO PAL level, unless additional testing, monitoring and/or recordkeeping is otherwise determined by the Department as necessary to verify compliance with the CO PAL permit requirements herein and the applicable PAL regulations from within 40 CFR 52.21, relating to Prevention of significant deterioration of air quality.

(c) The permittee shall conduct periodic monitoring for CO PAL emissions compliance, at minimum, on a calendar month basis, and determine the total annual mass emissions of CO (12-month rolling sum totals) for the facility, including each emission units below, using its CO emission factor, and based on the individual source fuel throughputs (total fuel usages), as required herein.

(i) 0.0075 (7.5E-3) pound CO per gallons of propane fuel usage for the propane heating systems associated with Source ID 032 (total heat input rate equal to approximately 1.87 MMBtu/hr);

(ii) 0.00765 (7.65E-3) pound CO per gallons of No. 2 oil usage for the Source ID P310 rotary limestone dryer (heat input equal to 10 MMBtu/hr approximately);

(iii) 0.0075 (7.5E-3) pound CO per gallons of propane fuel usage for the Source ID P310 rotary limestone dryer (heat input equal to 10 MMBtu/hr approximately); and

(iv) 10.4 pounds CO per mmscf of natural gas usage for the Source ID P310 rotary limestone dryer (heat input equal to 10 MMBtu/hr approximately).

(v) 225.4 pounds CO per mmscf of natural gas fuel usage for the process burners associated with Source ID P313 (total heat input rate equal to approximately 16 MMBtu/hr);

(vi) 84 pounds CO per mmscf of natural gas fuel usage for the natural gas-fired heater associated with Source ID P313 (heat input equal to approximately 0.329 MMBtu/hr).

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

Pursuant to 40 CFR §§ 52.21(aa)(7), (12) and (13):

(a) The permittee shall perform periodic monitoring of total engine hours of operation, at minimum, on a calendar month basis, and shall maintain and make available, upon request by the Department, records of the total monthly hours of operation through a non-resettable runtime meter for each of the engines referenced in section H herein as well as the ones associated with Source IDs P320A, P321 and P328 in accordance with the recordkeeping requirements of section B herein. The permittee shall also keep accurate and comprehensive records of the total monthly hours of operation for the oil (pressure washer) heater associated with Source ID 032 as well as the total monthly hours of operation for the natural gas heater associated with Source ID P313.

(b) If otherwise missing or invalid, the permittee may use, on a limited basis, the highest total monthly hours of operation from previous 12-consecutive month as the substituted data for a calendar month in order to determine compliance with the CO PAL level, unless additional monitoring and/or recordkeeping is otherwise determined by the Department as necessary to verify compliance with the CO PAL permit requirements herein and the applicable PAL regulations from within 40 CFR 52.21, relating to Prevention of significant deterioration of air quality.

(c) The permittee shall conduct periodic monitoring for CO PAL emissions compliance, at minimum, on a calendar month basis, and determine the total annual mass emissions of CO (12-month rolling sum totals) for the facility, including each emission units below, using its CO emission factor, and based on the individual source operating time (total hours of operation), as required herein.

(i) 0.24 pound CO per hours of operation for the CalAg engine (136 hp) associated with Source ID P320A;

(ii) 0.81 pound CO per hours of operation for the Kiln 6 auxiliary/emergency engine (121 hp) associated Source ID P321;

(iii) 1.06 pound CO per hours of operation for the Kiln 7 auxiliary/emergency engine (158 hp) associated Source ID P321;

(iv) 3.17 pound CO per hours of operation for the Kiln 7 Powerhouse/emergency engine (475 hp) associated Source ID P321;

(v) 2.38 pound CO per hours of operation for the Generac emergency generator (200 hp) associated Source ID P321;

(vi) 0.04 pound CO per hours of operation for the Winterization engine 1 (18.1 hp) referenced in section H (Misc.) herein;

(vii) 0.04 pound CO per hours of operation for the Winterization engine 2 (18.1 hp) referenced in section H (Misc.) herein;

**SECTION E. Source Group Restrictions.**

(viii) 0.55 pound CO per hours of operation for the Kiln 8 emergency generator (50 kW) associated Source ID P328; and
(ix) 0.02 pound CO per hours of operation for the Source ID 032 oil-fired heater (0.44 MMBtu/hr).

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

[Authority for this permit condition is also derived from the requirements of 25 Pa. Code § 139.101]

(a) Pursuant to the provisions of 40 CFR § 52.21(aa)(12), the permittee shall install, maintain, certify and operate a continuous emission monitoring system (CEMS) for carbon monoxide emissions (CO) on each Source ID P408, P413 and P418, according to all applicable requirements that are found within 25 Pa. Code Chapter 139, the Department's Continuous Source Monitoring Manual, and PS – 4 of 40 CFR Part 60, appendix B.

(b) Pursuant to 40 CFR § 52.21(aa)(4)(i)(a), the CEMS shall be capable of monitoring the total monthly mass emissions of CO from each kiln as well as the 12-month rolling totals on a per calendar month basis.

(c) In accordance with 40 CFR § 52.21(aa)(12)(vii), data substitution methods and procedures for each hour of invalid or missing data during the quarter as permitted according to the Department Continuous Source Monitoring Manual and 25 Pa. Code Chapter 139 may be utilized by the permittee. Pursuant to 40 CFR § 52.21(aa)(12)(vii), the highest 30-day rolling average emission of CO (pound per hour) for the quarter shall be substituted for each hour of invalid or missing data during the quarter, and an hourly value of zero is substituted when the process did not operate for the entire hour, unless otherwise required in writing by the Department.

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

Pursuant to 40 CFR §§ 52.21(aa)(7)(vii) and (12), all monitoring data and other records of the periodic CO emissions measured from each individual source, if applicable, including any other background data used to verify compliance shall be generated and kept in accordance with the recordkeeping requirements in section B herein and any the other applicable requirements in effect on the unit.

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

Pursuant to 40 CFR §§ 52.21(aa)(7)(viii) and (13)(ii), the permittee shall keep accurate and comprehensive records of the following information for the duration of the CO PAL effective period plus five years.

- (1) A copy of the CO PAL permit application and any applications for revisions to the PAL
- (2) Each annual certification for compliance pursuant to title V and the data relied on in certifying the compliance.

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

(a) Pursuant to 40 CFR §§ 52.21(aa)(7)(viii) and (13)(i), the permittee shall maintain and make available, upon request by the Department, records of the monthly total CO emissions calculations on a facility-wide basis along with the supporting data and any other background information used to verify compliance with the CO PAL limit noted above under restrictions.

(b) At minimum, for each CO emitting source or unit, at this facility, this information shall be including the total annual CO emissions in TPY (short tons per year) for each calendar month in the reporting period, on a 12-month rolling sum total basis, as well as records of the monitoring data used to establish CO PAL emissions compliance, as required herein.

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

(a) Pursuant to 40 CFR §§ 52.21(aa)(7)(ix) and (14), the permittee shall submit semiannual reports of the following:

- (1) The monthly emissions of CO from the facility and the supporting calculations/documentation that was used to verify CO PAL emissions compliance including the annual CO emissions calculations in TPY based on 12-month rolling totals for each calendar month in the reporting period.
- (2) A list of the emissions units modified or added to the facility during the preceding 6-month period.
- (3) The number, duration and cause of deviations or monitoring malfunctions, other than the time associated with zero and span calibration checks, and the corrective action taken.
- (4) A notification of a shutdown of a monitoring system, whether the shutdown was permanent or temporary, the reason for

**SECTION E. Source Group Restrictions.**

the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by the method included in this permit, as provided by 40 CFR § 52.21(aa)(12)(vi).

(5) A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.

(6) All data relied upon, including, but not limited to, any Quality Assurance or Quality Control data, in calculating the monthly and annual CO emissions.

(7) The identification of owner and operator and the permit number.

(b) The CO PAL emissions semiannual compliance reports shall be submitted to the Department no later than March 1 for the reporting period of July 1 through December 31 of the previous year and September 1 for the reporting of January 1 through June 30 of the current year.

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

Pursuant to 40 CFR § 52.21(aa)(7)(ix), the permittee shall submit reports of deviations or exceedance of the CO PAL requirements in accordance with 40 CFR § 52.21(aa)(14)(ii) unless otherwise specified herein.

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

Pursuant to 40 CFR §§ 52.21(aa)(7)(ix) and (14)(iii), the permittee shall submit to the Department the results of any revalidation test or method no later than three (3) months after completion of such source test or other scientifically valid method.

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

(a) Pursuant to 40 CFR §§ 52.21(aa)(4)(i)(g) and (7)(vi), the permittee shall use a monitoring system that meets the requirements of 40 CFR § 52.21(aa)(12) and conduct monthly CO emissions calculations for the facility consistent with all applicable requirements under 40 CFR § 52.21(aa) in order to verify compliance with the CO PAL limit herein.

(b) Pursuant to 40 CFR §§ 52.21(aa)(4)(g), the permittee shall conduct monitoring, recordkeeping and reporting in accordance with 40 CFR §§ 52.21(aa)(12) through (14) on each individual source or emission unit at the facility through the entire PAL effective period.

(c) The permittee shall comply with all other general requirements relating to the CO PAL as applicable pursuant 40 CFR §§ 52.21(aa)(4)(i)&(ii).

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

(a) Pursuant to 40 CFR §§ 52.21(aa)(7)(iii) and (aa)(10)(ii), the permittee shall submit an application to renew the CO PAL at least 6 months prior to, but not earlier than 18 months from, the date of CO PAL permit expiration as specified herein. Moreover, if a complete renewal application is submitted within this time period, then the CO PAL shall not expire at the end of the CO PAL effective period and it shall continue to be effective until a revised permit with the renewed CO PAL is issued.

(b) Pursuant to 40 CFR § 52.21(aa)(10)(iii), a complete application to renew the CO PAL contains the following information:

(1) The information required in § 52.21(aa)(3)(i) through (iii);

(2) A proposed PAL level;

(3) The sum of the potential to emit of all individual sources emissions units under the PAL (with supporting documentation);

(4) Any other information the owner or operator wishes the Department to consider in determining the appropriate level for renewing the PAL.

**SECTION E. Source Group Restrictions.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Pursuant to the provisions under 40 CFR § 52.21(aa)(1)(ii), the facility is not subject to the Prevention of Significant Deterioration (PSD) requirements of 25 Pa. Code Chapter 127, Subchapter D, for CO emissions, so long as the permittee complies with the CO PAL according to the conditions specified herein. Any increase in the emissions above the CO PAL level may trigger additional requirements pursuant to PSD. The permittee, and this facility, shall comply with all the requirements listed under 40 CFR § 52.21(aa).

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

Pursuant to the provisions under 40 CFR § 52.21(aa)(4)(g)(ii), at no time (during or after the PAL effective period) are emissions reductions of CO that occur during the CO PAL effective period creditable as decreases for the purpose of offsets under 40 CFR § 51.165(a)(3)(ii) unless the level of the CO PAL is reduced by the amount of such emissions reductions and the reductions would be creditable in the absence of the CO PAL.

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

The CO PAL level established by this permit (CO PAL) shall only be increased during the PAL effective period if the provisions under 40 CFR §§ 52.21(11)(i)(a) through (d) are satisfied.

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

(a) In accordance with 40 CFR § 52.21(aa)(8)(ii)(a), the CO PAL shall be opened to:

- (1) Correct typographical/calculation errors made in setting the CO PAL or reflect a more accurate determination of emissions used to establish the level of the CO PAL;
- (2) Reduce the CO PAL level if the owner or operator of the major stationary source creates creditable emissions reductions for use as offsets under § 51.165(a)(3)(ii) of this chapter; and
- (3) Revise the CO PAL to reflect an increase in the CO PAL level as provided under paragraph (aa)(11) of § 52.21.

(b) In accordance with 40 CFR § 52.21(aa)(8)(ii)(b), the CO PAL shall, at the discretion of the Department, be opened to:

- (1) Reduce the CO PAL to reflect newly applicable Federal requirements (for example, NSPS) with compliance dates after the PAL effective date;
- (2) Reduce the CO PAL consistent with any other requirement, that is enforceable as a practical matter, and that the Department may impose on the major stationary source under the State Implementation Plan; and
- (3) Reduce the CO PAL if the reviewing authority determines that a reduction is necessary to avoid causing or contributing to a NAAQS or PSD increment violation, or an adverse impact on an air quality related value that has been identified for a Federal Class I area by a Federal Land Manager and for which information is available to the general public.

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

Pursuant to 40 CFR § 52.21(aa), the CO PAL expires at the end of the CO PAL effective period unless otherwise specified herein. As applicable, if the CO PAL expires, the permittee shall submit an application to comply with the requirements listed within 25 Pa. Code Chapter 127, subchapters D, relating to the Prevention of Significant Deterioration, respectively.

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

**SECTION E. Source Group Restrictions.**

Group Name: NOX PAL

Group Description: NOx PAL permit limit and other conditions

Sources included in this group

ID	Name
032	COMBUSTION UNITS AND HEATERS AT PG AND BEL
P310	PULVERIZED LIMESTONE SYSTEM [PG]
P313	ENHANCED HYDRATE SYSTEM
P321	MISCELLANEOUS EMERGENCY GENERATORS [PG]
P328	KILN 8 EMERGENCY GENERATOR
P408	LIME KILN NO. 6 [PG]
P413	LIME KILN NO. 7 [PG]
P418	LIME KILN NO. 8 [PG]

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

Pursuant to the plantwide applicability limit (PAL) provisions under 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa):

(a) The total combined nitrogen oxides (NOx) emissions, including fugitive emissions, to the extent quantifiable, if any, from the facility, shall not exceed 1,067.9 tons in any 12 consecutive month period. The NOx PAL permit effective period was issued began on June 20, 2017, the issuance date of DEP Auth 1149263, and will expire 10 years from this date unless otherwise specified herein.

(b) The emissions calculations used to establish compliance with the NOx PAL permit shall include the emissions from all emission units including their startups, shutdowns and any continued source operations during malfunctions.

(c) For each month during the NOx PAL effective period after the first 12 months of establishing the NOx PAL, the permittee shall demonstrate that the sum of the monthly emissions from each source under the PAL for the previous 12 consecutive months is less than the NOx PAL level noted above within paragraph (a) of this permit condition. For each month during the first 11 months from the NOx PAL effective date, the permittee shall demonstrate that the sum of the preceding monthly emissions from the NOx PAL effective date for each source under the PAL is less than the NOx PAL level noted above within paragraph (a) of this permit condition.

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

(a) Pursuant to 25 Pa. Code Sections 139.101, the relative accuracy and any other testing shall be completed on each the kilns associated with Source IDs P408, P413 and P418 including the NOx CEMS installation used to establish NOx PAL emissions compliance

(b) The other testing on the non-CEMS emission units authorized herein shall be done in accordance with Department-approved methods and other procedures as required in accordance with section C herein.

[Compliance with the above requirements in this condition will assure compliance with the re-validation requirements as applicable pursuant to 40 CFR § 52.21(aa)(12)(ix)]

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

Pursuant to 25 Pa. Code section 127.218 and 40 CFR §§ 52.21(aa)(7), (12) and (13):

(a) The permittee shall perform periodic monitoring of total fuel usages, at minimum, on a monthly basis, and shall maintain and make available, upon request by the Department, records of the total monthly fuel consumption or throughput

**SECTION E. Source Group Restrictions.**

for each of the combustion sources associated with Source IDs 032, P310 and P313, on a calendar month basis, in accordance with the recordkeeping requirements within section B herein.

(b) If otherwise missing or invalid, the permittee may use, on a limited basis, the highest total monthly fuel throughput rate from previous 12-consecutive month as the substituted data for a calendar month in order to determine compliance with the NO_x PAL level, unless additional monitoring and/or recordkeeping is otherwise determined by the Department as necessary to verify compliance with the NO_x PAL permit requirements herein and the applicable PAL regulations from within 40 CFR 52.21, relating to Prevention of significant deterioration of air quality, or from 25 Pa. Code Chapter 127, subchapter E, relating to New Source Review.

(c) The permittee shall conduct periodic monitoring for NO_x PAL emissions compliance, at minimum, on a calendar month basis, and determine the total annual mass emissions of NO_x (12-month rolling sum totals) for the facility, including each emission units below, using its NO_x emission factor, and based on the individual source fuel throughputs (total fuel usages), as required herein.

(i) 0.013 (1.3E-2) pound NO_x per gallons of propane fuel usage for the propane heating systems associated with Source ID 032 (total heat input rate equal to approximately 1.87 MMBtu/hr);

(ii) 0.0186 (1.86E-2) pound NO_x per gallons of No. 2 oil usage for the Source ID P310 rotary limestone dryer (heat input equal to 10 MMBtu/hr approximately);

(iii) 0.013 (1.3E-2) pound NO_x per gallons of propane fuel usage for the Source ID P310 rotary limestone dryer (heat input equal to 10 MMBtu/hr approximately); and

(iv) 156 pound NO_x per mmscf of natural gas usage for the Source ID P310 rotary limestone dryer (heat input equal to 10 MMBtu/hr approximately).

(v) 68 pound NO_x per mmscf of natural gas fuel usage for the process burners associated with Source ID P313 (total heat input rate equal to approximately 16 MMBtu/hr);

(vi) 100 pound NO_x per mmscf of natural gas fuel usage for the natural gas-fired heater associated with Source ID P313 (heat input equal to approximately 0.329 MMBtu/hr).

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

Pursuant to 25 Pa. Code section 127.218 and 40 CFR §§ 52.21(aa)(7), (12) and (13):

(a) The permittee shall perform periodic monitoring of total engine hours of operation, at minimum, on a calendar month basis, and shall maintain and make available, upon request by the Department, records of the total monthly hours of operation through a non-resettable runtime meter for each of the engines referenced in section H herein as well as the ones associated with Source IDs P320A, P321 and P328 in accordance with the recordkeeping requirements of section B herein. The permittee shall also keep accurate and comprehensive records of the total monthly hours of operation for the oil (pressure washer) heater associated with Source ID 032 as well as the total monthly hours of operation for the natural gas heater associated with Source ID P313.

(b) If otherwise missing or invalid, the permittee may use, on a limited basis, the highest total monthly hours of operation from previous 12-consecutive month as the substituted data for a calendar month in order to determine compliance with the NO_x PAL level, unless additional monitoring and/or recordkeeping is otherwise determined by the Department as necessary to verify compliance with the NO_x PAL permit requirements herein and the applicable PAL regulations from within 40 CFR 52.21, relating to Prevention of significant deterioration of air quality, or from 25 Pa. Code Chapter 127, subchapter E, relating to New Source Review.

(c) The permittee shall conduct periodic monitoring for NO_x PAL emissions compliance, at minimum, on a calendar month basis, and determine the total annual mass emissions of NO_x (12-month rolling sum totals) for the facility, including each emission units below, using its NO_x emission factor, and based on the individual source operating time (total hours of operation), as required herein.

(i) 1.83 pound NO_x per hours of operation for the CalAg engine (136 hp) associated with Source ID P320A;

(ii) 2.90 pound NO_x per hours of operation for the Kiln 6 auxiliary/emergency engine (121 hp) associated Source ID P321;

(iii) 1.58 pound NO_x per hours of operation for the Kiln 7 auxiliary/emergency engine (158 hp) associated Source ID P321;

(iv) 9.42 pound NO_x per hours of operation for the Kiln 7 Powerhouse/emergency engine (475 hp) associated Source ID P321;

(v) 1.19 pound NO_x per hours of operation for the Generac emergency generator (200 hp) associated Source ID P321;

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- (vi) 0.14 pound NO_x per hours of operation for the Winterization engine 1 (18.1 hp) referenced in section H (Misc.) herein;
- (vii) 0.14 pound NO_x per hours of operation for the Winterization engine 2 (18.1 hp) referenced in section H (Misc.) herein;
- (viii) 0.52 pound NO_x per hours of operation for the Kiln 8 emergency generator (50 kW) associated Source ID P328; and
- (ix) 0.07 pound NO_x per hours of operation for the Source ID 032 oil-fired heater (0.44 MMBtu/hr).

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

[Authority for this permit condition is also derived from the requirements of 25 Pa. Code § 139.101]

(a) Pursuant to the provisions of 40 CFR § 52.21(aa)(12), the permittee shall install, maintain, certify and operate a continuous emission monitoring system (CEMS) for nitrogen oxide emissions (NO_x) on each Source ID P408, P413 and P418, according to all applicable requirements that are found within 25 Pa. Code Chapter 139, the Department's Continuous Source Monitoring Manual, and PS – 2 of 40 CFR Part 60, appendix B.

(b) Pursuant to 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa)(4)(i)(a), the CEMS shall be capable of monitoring the total monthly mass emissions of NO_x from each kiln as well as the 12-month rolling totals on a per calendar month basis.

(c) In accordance with 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa)(12)(vii), data substitution methods and procedures for each hour of invalid or missing data during the quarter as permitted according to the Department Continuous Source Monitoring Manual and 25 Pa. Code Chapter 139 may be utilized by the permittee. Pursuant to 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa)(12)(vii), the highest 30-day rolling average emission of NO_x (pound per hour) for the quarter shall be substituted for each hour of invalid or missing data during the quarter, and an hourly value of zero is substituted when the process did not operate for the entire hour, unless otherwise required in writing by the Department.

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

Pursuant to 25 Pa. Code section 127.218(g), and 40 CFR §§ 52.21(aa)(7)(vii) and (12), all monitoring data and other records of the periodic NO_x emissions measured from each individual source, if applicable, including any other background data used to verify compliance shall be generated and kept in accordance with the recordkeeping requirements in section B herein and any the other applicable requirements in effect on the unit.

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

Pursuant to 25 Pa. Code section 127.218 and 40 CFR §§ 52.21(aa)(7)(viii) and (13)(ii), the permittee shall keep accurate and comprehensive records of the following information for the duration of the NO_x PAL effective period plus five years.

- (1) A copy of the NO_x PAL permit application and any applications for revisions to the PAL
- (2) Each annual certification for compliance pursuant to title V and the data relied on in certifying the compliance.

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

(a) Pursuant to 25 Pa. Code section 127.218 and 40 CFR §§ 52.21(aa)(7)(viii) and (13)(i), the permittee shall maintain and make available, upon request by the Department, records of the monthly total NO_x emissions calculations on a facility-wide basis along with the supporting data and any other background information used to verify compliance with the NO_x PAL limit noted above under restrictions.

(b) At minimum, for each NO_x emitting source or unit, at this facility, this information shall be including the total annual NO_x emissions in TPY (short tons per year) for each calendar month in the reporting period, on a 12-month rolling sum total basis, as well as records of the monitoring data used to establish NO_x PAL emissions compliance, as required herein.

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

(a) Pursuant to 25 Pa. Code section 127.218 and 40 CFR §§ 52.21(aa)(7)(ix) and (14), the permittee shall submit semiannual reports of the following:

- (1) The monthly emissions of NO_x from the facility and the supporting calculations/documentation that was used to verify NO_x PAL emissions compliance including the annual NO_x emissions calculations in TPY based on 12-month rolling totals for each calendar month in the reporting period.

**SECTION E. Source Group Restrictions.**

- (2) A list of the emissions units modified or added to the facility during the preceding 6-month period.
- (3) The number, duration and cause of deviations or monitoring malfunctions, other than the time associated with zero and span calibration checks, and the corrective action taken.
- (4) A notification of a shutdown of a monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by the method included in this permit, as provided by 25 Pa. Code section 127.218(m) and 40 CFR § 52.21(aa)(12)(vii).
- (5) A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.
- (6) All data relied upon, including, but not limited to, any Quality Assurance or Quality Control data, in calculating the monthly and annual NO_x emissions.
- (7) The identification of owner and operator and the permit number.

(b) The NO_x PAL emissions semiannual compliance reports shall be submitted to the Department no later than March 1 for the reporting period of July 1 through December 31 of the previous year and September 1 for the reporting of January 1 through June 30 of the current year.

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

Pursuant to 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa)(7)(ix), the permittee shall submit reports of deviations or exceedance of the NO_x PAL requirements in accordance with 40 CFR § 52.21(aa)(14)(ii) unless other specified herein.

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

Pursuant to 25 Pa. Code section 127.218 and 40 CFR §§ 52.21(aa)(7)(ix) and (14)(iii), the permittee shall submit to the Department the results of any revalidation test or method no later than three (3) months after completion of such source test or other scientifically valid method.

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

(a) Pursuant to 25 Pa. Code section 127.218 and 40 CFR §§ 52.21(aa)(4)(i)(g) and (7)(vi), the permittee shall use a monitoring system that meets the requirements of 40 CFR § 52.21(aa)(12) and conduct monthly NO_x emissions calculations for the facility consistent with all applicable requirements under 40 CFR § 52.21(aa) in order to verify compliance with the NO_x PAL limit herein.

(b) Pursuant to 25 Pa. Code section 127.218 and 40 CFR §§ 52.21(aa)(4)(g), the permittee shall conduct monitoring, recordkeeping and reporting in accordance with 40 CFR §§ 52.21(aa)(12) through (14) on each individual source or emission unit at the facility through the entire PAL effective period.

(c) The permittee shall comply with all other general requirements relating to the NO_x PAL as applicable pursuant 40 CFR §§ 52.21(aa)(4)(i)&(ii) and 25 Pa. Code section 127.218.

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

(a) Pursuant to 25 Pa. Code section 127.218 and 40 CFR §§ 52.21(aa)(7)(iii) and (aa)(10)(ii), the permittee shall submit an application to renew the NO_x PAL at least 6 months prior to, but not earlier than 18 months from, the date of NO_x PAL permit expiration as specified herein. Moreover, if a complete renewal application is submitted within this time period, then the NO_x PAL shall not expire at the end of the NO_x PAL effective period and it shall continue to be effective until a revised permit with the renewed NO_x PAL is issued.

(b) Pursuant to 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa)(10)(iii), a complete application to renew the NO_x PAL

**SECTION E. Source Group Restrictions.**

contains the following information:

- (1) The information required in 40 CFR §§ 52.21(aa)(3)(i) through (iii) and 25 Pa. Code sections 127.218(b)(1) through (3);
- (2) A proposed PAL level;
- (3) The sum of the potential to emit of all individual sources emissions units under the PAL (with supporting documentation);
- (4) Any other information the owner or operator wishes the Department to consider in determining the appropriate level for renewing the PAL.

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

Pursuant to the provisions under 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa)(1)(ii), the facility is not subject to the PSD and New Source Review requirements of 25 Pa. Code Chapter 127, subchapters D and E, for NO_x emissions, so long as the permittee complies with the NO_x PAL according to the conditions specified herein. Any increase in the emissions above the NO_x PAL level may trigger additional requirements pursuant to New Source Review. The permittee, and this facility, shall comply with all the requirements listed under 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa).

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

Pursuant to the provisions under 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa)(4)(g)(ii), at no time (during or after the PAL effective period) are emissions reductions of NO_x that occur during the NO_x PAL effective period creditable as decreases for purposes of offsets under 40 CFR § 51.165(a)(3)(ii) or 25 Pa. Code Chapter 127, subchapter E, unless the level of the NO_x PAL is reduced by the amount of such emissions reductions and the reductions would be creditable in the absence of the NO_x PAL.

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

The NO_x PAL level established by this permit (NO_x PAL) shall only be increased during the PAL effective period if the provisions under 40 CFR §§ 52.21(11)(i)(a) through (d), and 25 Pa. Code section 127.218(l), are satisfied.

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

(a) In accordance with 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa)(8)(ii)(a), the NO_x PAL shall be opened to:

- (1) Correct typographical/calculation errors made in setting the NO_x PAL or reflect a more accurate determination of emissions used to establish the level of the NO_x PAL;
- (2) Reduce the NO_x PAL level if the owner or operator of the major stationary source creates creditable emissions reductions for use as offsets under § 127.207 (relating to creditable emissions decrease or ERC generation or creation); and
- (3) Revise the NO_x PAL to reflect an increase in the NO_x PAL level as provided under 40 CFR § 52.21 (aa)(11) or 25 Pa. Code section 127.218(l).

(b) In accordance with 25 Pa. Code section 127.218 and 40 CFR § 52.21(aa)(8)(ii)(b), the NO_x PAL shall, at the discretion of the Department, be opened to:

- (1) Reduce the NO_x PAL to reflect newly applicable Federal requirements (for example, NSPS) with compliance dates after the PAL effective date;
- (2) Consistent with a requirement that is enforceable as a practical matter and that the Department may impose on the facility consistent with all applicable requirements; and
- (3) Reduce the NO_x PAL if the reviewing authority determines that a reduction is necessary to avoid causing or contributing to a NAAQS or PSD increment violation, or an adverse impact on an air quality related value that has been identified for a Federal Class I area by a Federal Land Manager and for which information is available to the general public.

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

Pursuant to 40 CFR § 52.21(aa), and 25 Pa. Code section 127.218, the NO_x PAL expires at the end of the NO_x PAL effective period unless otherwise specified herein. As applicable, if the NO_x PAL expires, the permittee shall submit an application to comply with the requirements listed within 25 Pa. Code Chapter 127, subchapters D and E, relating to the Prevention of Significant Deterioration and New Source Review regulations, respectively.

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

**SECTION E. Source Group Restrictions.**

Group Name: RACT

Group Description: RACT limits and other conditions

Sources included in this group

ID	Name
032	COMBUSTION UNITS AND HEATERS AT PG AND BEL
P310	PULVERIZED LIMESTONE SYSTEM [PG]
P313	ENHANCED HYDRATE SYSTEM
P321	MISCELLANEOUS EMERGENCY GENERATORS [PG]
P328	KILN 8 EMERGENCY GENERATOR
P408	LIME KILN NO. 6 [PG]
P413	LIME KILN NO. 7 [PG]
P418	LIME KILN NO. 8 [PG]

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

[Authority is also derived from 25 Pa. Code Sections 129.112 and 129.115]

(a) No person shall permit the emission into the outdoor atmosphere of NO_x from Source ID P408 (kiln 6) in such a manner that the NO_x emission rate exceeds 4.6 pounds per ton lime produced based on 30-Operating-Day average, rolling by 1 day.

(b) No person shall permit the emission into the outdoor atmosphere of NO_x from Source ID P413 (kiln 7) in such a manner that the NO_x emission rate exceeds 4.6 pounds per ton lime produced based on 30-Operating-Day average, rolling by 1 day.

(c) No person shall permit the emission into the outdoor atmosphere of NO_x from Source ID P418 (kiln 8) in such a manner that the NO_x emission rate exceeds 4.6 pounds per ton lime produced based on 30-Operating-Day average, rolling by 1 day.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.99]

(a) The permittee shall not permit emission into the outdoor atmosphere of NO_x from Source ID P408 (kiln 6) in such a manner that the hourly NO_x emission rate exceeds 205 pounds per hour based on 30-day average, rolling by 1 day as monitored by a Department-certified continuous emissions monitoring system (CEMS).

(b) The permittee shall not permit emission into the outdoor atmosphere of NO_x from Source ID P408 (kiln 6) in such a manner that the NO_x emissions exceed 767 tons per year based on 12-month sum, rolling by 1 month as monitored by a Department-certified CEMS.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.99]

(a) The permittee shall not permit emission into the outdoor atmosphere of NO_x from Source ID P413 (kiln 7) in such a manner that the hourly NO_x emission rate exceeds 179 pounds per hour based on 30-day average, rolling by 1 day as monitored by a Department-certified continuous emissions monitoring system (CEMS).

(b) The permittee shall not permit emission into the outdoor atmosphere of NO_x from Source ID P413 (kiln 7) in such a manner that the NO_x emissions exceed 709 tons per year based on 12-month sum, rolling by 1 month as monitored by a Department-certified CEMS.

**SECTION E. Source Group Restrictions.****II. TESTING REQUIREMENTS.**

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

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

[Authority is also derived from 25 Pa. Code Section 129.115]

(a) With respect to each of the Source ID P408, P413 and P418 lime kilns, their presumptive RACT compliance calculations expressed as lb NO_x/ton lime produced shall be determined and monitored by the permittee in accordance with the applicable regulatory provisions. Each of the kilns NO_x (lb) data shall be measured and validated from quality assured, Department-certified CEMS. The lime production (tons) data shall be determined daily for Plant accounting purposes and is not measured from a Department-certified continuous emissions monitoring system (CEMS). The NO_x RACT compliance performance monitoring systems shall be installed, maintained and operated in accordance with applicable Title V permit monitoring, recordkeeping, reporting and work practices requirements herein.

(1) The total daily NO_x emissions expressed in units of pounds (lb) shall be determined and monitored continuously by a Department-approved (and -certified) CEMS for each Source ID P408, P413 and P418, which shall provide, at minimum:

(i) A 30-operating day rolling average emission rate in units of lb/ton lime which shall be calculated for each of the kilns operating days; and

(ii) The required monitoring shall include the NO_x emissions from each kiln that occur during the entire operating day including but may not be limited to kiln start-ups, shutdowns, malfunctions and/or transitional operations.

(2) Each of the Source ID P408, P413 and P418 kiln feed stone throughput monitoring system, which is also used to derive each kiln's lime production rates and verify RACT compliance, in conjunction with the kiln's daily lime production (tons) determined for accounting purposes, shall be maintained within plus or minus 5 percent accuracy, according to the source's original RACT III monitoring and compliance demonstration letter, dated December 2, 2022. Additionally, the other RACT letter monitoring submitted pursuant to 40 CFR sections 63.1350(d)(1) through (4) shall be incorporated herein by reference.

(b) In addition, the permittee shall monitor for RACT NO_x compliance on at least an operating day basis for each of the individual lime kiln source operation associated with Source IDs P408, P413 and P418 authorized herein and shall follow the applicable Title V permit recordkeeping and reporting requirements herein based on the quality assured, Department-certified NO_x CEMS monitoring data as required herein for each of the above lime kiln source operations.

(c) If there is a conflict between applicable requirements, the more stringent one applies by default.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.99 and 129.100]

(a) A 30-day rolling average NO_x emission rate for the applicable RACT emission limitation shall be calculated by the permittee for Source ID P408 for each consecutive operating day.

(b) Each 30-day rolling average NO_x emission rate for Source ID P408 shall include the NO_x emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.99 and 129.100]

(a) A 30-day rolling average NO_x emission rate for the applicable RACT emission limitation shall be calculated by the permittee for Source ID P413 for each consecutive operating day.

(b) Each 30-day rolling average NO_x emission rate for Source ID P413 shall include the NO_x emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority is also derived from 25 Pa. Code Section 129.115]

(a) The permittee shall keep records including sufficient info to demonstrate that each of the individual combustion sources associated with Source IDs 032, P310, P313, P320A, P321 and P328 is installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

(b) The records shall be generated and maintained in accordance the recordkeeping requirements in section B herein and include sufficient data, calculations, maintenance and/or other info pertaining to each of the above source to demonstrate that the requirements of 25 Pa. Code § 129.112 are satisfied.

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

[Authority is also derived from 25 Pa. Code Section 129.115]

(a) The permittee shall maintain and make available, upon request by the Department, records of the NO_x emissions RACT compliance averages, expressed as lb NO_x/ton lime produced, on a 30-operating day averaging basis, rolling, as well as the other records to verify RACT compliance as specified below for each the Source ID P408, P413 and P418 lime kilns authorized herein;

(b) If you measure lime production directly, the permittee shall generate and maintain records of the total daily lime production rates for each the Source ID P408, P413, or P418 lime kilns; or if you measure each their kiln feed stone throughput rates to calculate lime production rates by a kiln-specific ratio, the permittee shall maintain records of the total hourly kiln feed and lime production rates for each the Source ID P408, P413 and/or P418 lime kilns, in conjunction with any revisions to the total daily lime production calculations, as required, according to the applicable monitoring requirements above;

(c) The total daily lime production calculations and other pertinent records for each the Source ID P408, P413 and P418 lime kilns including any the values that were later revised or reconciled by the permittee in conjunction with the applicable monitoring requirements above:

(d) The accuracy of the system for measuring the kiln's feed stone throughput rates (or lime production rates if applicable) for each the Source ID P408, P413 and P418 lime kilns shall be tested and recorded on a quarterly basis in accordance with the applicable monitoring requirements above;

(e) The records and other monitoring including sufficient data, calculations, maintenance and/or other info pertaining to each of the above sources to demonstrate that the requirements of 25 Pa. Code § 129.112 are satisfied, shall be generated and maintained in accordance the recordkeeping requirements in section B herein.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.99 and 129.100]

The permittee shall keep records for Source ID P413 to demonstrate compliance with the RACT emission limitations in the following manner:

(1) The records shall include sufficient data and calculations to demonstrate that the requirements are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 129.99 and 129.100]

The permittee shall keep records for Source ID P408 to demonstrate compliance with the RACT emission limitations in the following manner:

**SECTION E. Source Group Restrictions.**

(1) The records shall include sufficient data and calculations to demonstrate that the requirements are met.

(2) Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

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

[Authority is also derived from 25 Pa. Code Section 129.115]

The permittee shall maintain records to verify compliance with the requirement to perform preheat burner tune-ups, as specified below under work practice requirements. The records shall include the following information, at least:

- (a) Manufacturer's recommended tune-up schedule;
- (b) Date and time of the performance of each of the preheat burner tune-ups;
- (c) The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical preheat operation load, before and after the tune-up of the burner; and
- (d) A description of any corrective actions taken as a part of the preheat burner tune-up.

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

[Authority is also derived from 25 Pa. Code Section 129.115]

(a) The permittee shall submit semi-annual reports to the Department including each of the Source ID P408, P413 and P418 NO_x emission rate compliance calculations used to demonstrate compliance with RACT.

(1) With respect to each of the above kilns, the daily NO_x emission calculations for RACT compliance shall include the required, hourly NO_x CEMS data and other hourly, operational data, which shall be reduced to rolling averages, across 30 consecutive kiln operating days. The quarterly lime production monitoring system's accuracy test results for each kiln shall also be reported in their semi-annual reports.

(b) The above semi-annual reporting shall be submitted to the Department by no later than September 1 for the reporting period from January through June in the concurrent year and by March 1 for the reporting period from July through December in the previous year.

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

[Authority is also derived from 25 Pa. Code Section 129.112]

The permittee shall install, maintain and operate each of the individual sources associated with Source IDs 032, P310, P313, P320A, P321 and P328 in accordance with the manufacturer's specifications and with good operating practices.

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

[Authority is also derived from 25 Pa. Code Section 129.115]

(l) The permittee shall conduct tune-ups on the kiln preheat burner associated with Source ID P408, and maintain and operate the preheat burner in accordance with the burner manufacturer's recommended specifications and instructions. The tune-ups shall be conducted at a frequency as recommended by the manufacturer, and include the following procedures, at least:

- (a) Inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled kiln shutdown);
- (b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;
- (c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled kiln shutdown);
- (d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x emissions restrictions; and

**SECTION E. Source Group Restrictions.**

(e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

(II) After the performance of the first tune-up, the permittee shall conduct subsequent tune-ups within one year after the previous tune-up or as recommended by the manufacturer.

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

[Authority is also derived from 25 Pa. Code Section 129.115]

(I) The permittee shall conduct tune-ups on the kiln preheat burner associated with Source ID P413, and maintain and operate the preheat burner in accordance with the burner manufacturer's recommended specifications and instructions. The tune-ups shall be conducted at a frequency as recommended by the manufacturer, and include the following procedures, at least:

(a) Inspect the burner, and clean or replace any components of the burner as necessary (the permittee may delay the burner inspection until the next scheduled kiln shutdown);

(b) Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

(c) Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (the permittee may delay the inspection until the next scheduled kiln shutdown);

(d) Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x emissions restrictions; and

(e) Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer.

(II) After the performance of the first tune-up, the permittee shall conduct subsequent tune-ups within one year after the previous tune-up or as recommended by the manufacturer.

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.**

Group Name: SO2 PAL

Group Description: SO2 PAL permit limit and other conditions

Sources included in this group

ID	Name
032	COMBUSTION UNITS AND HEATERS AT PG AND BEL
P310	PULVERIZED LIMESTONE SYSTEM [PG]
P313	ENHANCED HYDRATE SYSTEM
P321	MISCELLANEOUS EMERGENCY GENERATORS [PG]
P328	KILN 8 EMERGENCY GENERATOR
P408	LIME KILN NO. 6 [PG]
P413	LIME KILN NO. 7 [PG]
P418	LIME KILN NO. 8 [PG]

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

Pursuant to the plantwide applicability limit (PAL) provisions under 40 CFR § 52.21(aa):

(a) The total combined sulfur dioxide (SO₂) emissions, including fugitive emissions, to the extent quantifiable, if any, from the facility, shall not exceed 302.6 tons in any 12 consecutive month period. The SO₂ PAL effective period was issued began on January 11, 2023, the issuance date of DEP Auth 1397000, and will expire 10 years from this date unless otherwise specified herein.

(b) The emissions calculations used to establish compliance with the SO₂ PAL permit shall include the emissions from all emission units including their startups, shutdowns and any continued source operations during malfunctions.

(c) For each month during the SO₂ PAL effective period after the first 12 months of establishing the SO₂ PAL, the permittee shall demonstrate that the sum of the monthly emissions from each source under the PAL for the previous 12 consecutive months is less than the SO₂ PAL level noted above within paragraph (a) of this permit condition. For each month during the first 11 months from the SO₂ PAL effective date, the permittee shall demonstrate that the sum of the preceding monthly emissions from the SO₂ PAL effective date for each source under the PAL is less than the SO₂ PAL level noted above within paragraph (a) of this permit condition.

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

Pursuant to 40 CFR § 52.21(aa), any No. 2 fuel oil fuel or diesel used in any source or emission unit under the SO₂ PAL shall be virgin fuel to which no reclaimed or waste oil or other waste materials have been added. In addition, the maximum sulfur content of any No. 2 fuel oil or diesel delivery accepted by the permittee for use at the facility in any source or emission under the SO₂ PAL shall not exceed 0.0015% (by weight) in order to verify compliance with the SO₂ PAL permit requirements herein.

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

(a) Pursuant to 25 Pa. Code Sections 139.101, the relative accuracy and any other testing shall be completed on each the kilns associated with Source IDs P408, P413 and P418 including the SO₂ CEMS installation used to establish SO₂ PAL emissions compliance.

(b) Other SO₂ emission testing methods and procedures if required by the Department in writing shall be submitted, approved by the Department and conducted by the permittee in accordance with the testing requirements in section C herein.

**SECTION E. Source Group Restrictions.**

(c) The permittee shall comply with 40 CFR § 52.21(aa)(12)(ix) and the re-validation testing requirements if applicable to a SO₂ emission unit at the facility, in conjunction with the required monitoring on each unit to demonstrate the facility's SO₂ PAL compliance status.

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

The Department reserves the authority to require representative fuel sampling analysis or other testing to verify SO₂ PAL compliance.

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

Pursuant to 40 CFR §§ 52.21(aa)(7), (12) and (13):

(a) The permittee shall perform periodic monitoring of total fuel usages, at minimum, on a monthly basis, and shall maintain and make available, upon request by the Department, records of the total monthly fuel consumption or throughput for each of the combustion sources associated with Source IDs 032, P310 and P313, on a calendar month basis, in accordance with the recordkeeping requirements within section B herein.

(b) If otherwise missing or invalid, the permittee may use, on a limited basis, the highest total monthly fuel throughput rate from previous 12-consecutive month as the substituted data for a calendar month in order to determine compliance with the SO₂ PAL level, unless additional monitoring and/or recordkeeping is otherwise determined by the Department as necessary to verify compliance with the SO₂ PAL permit requirements herein and the applicable PAL regulations from within 40 CFR 52.21, relating to Prevention of significant deterioration of air quality.

(c) The permittee shall conduct periodic monitoring for SO₂ PAL emissions compliance, at minimum, on a calendar month basis, and determine the total annual mass emissions of SO₂ (12-month rolling sum totals) for the facility, including each emission units below, using its respective SO₂ emission factor below, and based on the individual source fuel throughputs (total fuel usages), as required herein.

- (i) 0.00003 (3E-5) pound SO₂ per gallons of propane fuel usage for the propane heating systems associated with Source ID 032 (total heat input rate equal to approximately 1.87 MMBtu/hr);
- (ii) 0.0000015 (1.5E-06) pound SO₂ per scf of natural gas fuel usage for the burners associated with Source ID P313 (total heat input rate equal to approximately 16 MMBtu/hr);
- (iii) 0.0000015 (1.5E-06) pound SO₂ per scf of natural gas fuel usage for the small natural gas-fired heater associated with Source ID P313 (heat input equal to approximately 0.329 MMBtu/hr);
- (iv) 0.0003 (3E-4) pound SO₂ per gallons of No. 2 oil usage for the Source ID P310 rotary stone dryer (heat input equal to 10 MMBtu/hr approximately);
- (v) 0.00003 (3E-5) pound SO₂ per gallons of propane fuel usage for the Source ID P310 rotary stone dryer (heat input equal to 10 MMBtu/hr approximately); and
- (vi) 0.0000015 (1.5E-06) pound SO₂ per scf of natural gas usage for the Source ID P310 rotary stone dryer (heat input equal to 10 MMBtu/hr approximately).

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

Pursuant to 40 CFR §§ 52.21(aa)(7), (12) and (13):

(a) The permittee shall perform periodic monitoring of total engine hours of operation, at minimum, on a calendar month basis, and shall maintain and make available, upon request by the Department, records of the total monthly hours of operation through a non-resettable runtime meter for each of the engines referenced in section H herein as well as the ones associated with Source IDs P320A, P321 and P328 in accordance with the recordkeeping requirements of section B herein. The permittee shall also keep accurate and comprehensive records of the total monthly hours of operation for the oil (pressure washer) heater associated with Source ID 032 as well as the total monthly hours of operation for the natural gas heater associated with Source ID P313.

(b) If otherwise missing or invalid, the permittee may use, on a limited basis, the highest total monthly hours of operation from previous 12-consecutive month as the substituted data for a calendar month in order to determine compliance with the SO₂ PAL level, unless additional monitoring and/or recordkeeping is otherwise determined by the Department as

**SECTION E. Source Group Restrictions.**

necessary to verify compliance with the SO₂ PAL permit requirements herein and the applicable PAL regulations from within 40 CFR 52.21, relating to Prevention of significant deterioration of air quality.

(c) The permittee shall conduct periodic monitoring for SO₂ PAL emissions compliance, at minimum, on a calendar month basis, and determine the total annual mass emissions of SO₂ (12-month rolling sum totals) for facility, including each emission units below, using its SO₂ emission factor, and based on the individual source operating time (total hours of operation), as required herein.

- (i) 0.002 pound SO₂ per hours of operation for the CalAg engine (136 hp) associated with Source ID P320A;
- (ii) 0.002 pound SO₂ per hours of operation for the Kiln 6 auxiliary/emergency engine (121 hp) associated Source ID P321;
- (iii) 0.002 pound SO₂ per hours of operation for the Kiln 7 auxiliary/emergency engine (158 hp) associated Source ID P321;
- (iv) 0.006 pound SO₂ per hours of operation for the Kiln 7 Powerhouse/emergency engine (475 hp) associated Source ID P321;
- (v) 0.003 pound SO₂ per hours of operation for the Generac emergency generator (200 hp) associated Source ID P321;
- (vi) 0.001 pound SO₂ per hours of operation for the Winterization engine 1 (18.1 hp) referenced in section H (Misc.) herein;
- (vii) 0.001 pound SO₂ per hours of operation for the Winterization engine 2 (18.1 hp) referenced in section H (Misc.) herein;
- (viii) 0.001 pound SO₂ per hours of operation for the Kiln 8 emergency generator (50 kW) associated Source ID P328; and
- (ix) 0.001 pound SO₂ per hours of operation for the Source ID 032 oil-fired heater (0.44 MMBtu/hr).

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

[Authority is also derived from the requirements of 25 Pa. Code § 139.101]

(a) Pursuant to the provisions of 40 CFR § 52.21(aa)(12), the permittee shall install, maintain, certify and operate a continuous emission monitoring system (CEMS) for sulfur dioxide (SO₂) on each Source ID P408, P413 and P418, according to all applicable requirements that are found within 25 Pa. Code Chapter 139, the Department's Continuous Source Monitoring Manual, and PS – 2 of 40 CFR Part 60, appendix B.

(b) Pursuant to 40 CFR § 52.21(aa)(4)(i)(a), the CEMS shall be capable of monitoring the total monthly mass emissions of SO₂ from each kiln as well as the 12-month rolling totals on a per calendar month basis.

(c) In accordance with 40 CFR § 52.21(aa)(12)(vii), data substitution methods and procedures for each hour of invalid or missing data during the quarter as permitted according to the Department Continuous Source Monitoring Manual and 25 Pa. Code Chapter 139 may be utilized by the permittee. Pursuant to 40 CFR § 52.21(aa)(12)(vii), the highest 30-day rolling average emission of SO₂ (pound per hour) for the quarter shall be substituted for each hour of invalid or missing data during the quarter, and an hourly value of zero is substituted when the process did not operate for the entire hour, unless otherwise required in writing by the Department.

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

Pursuant to 40 CFR §§ 52.21(aa)(7)(viii) and (13)(ii), the permittee shall keep accurate and comprehensive records of the following information for the duration of the SO₂ PAL effective period plus five years.

- (1) A copy of the SO₂ PAL permit application and any applications for revisions to the PAL
- (2) Each annual certification for compliance pursuant to title V and the data relied on in certifying the compliance.

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

(a) Pursuant to 40 CFR §§ 52.21(aa)(7)(viii) and (13)(i), the permittee shall maintain and make available, upon request by the Department, records of the monthly total SO₂ emissions calculations on a facility-wide basis along with the supporting data and any other background information used to verify compliance with the SO₂ PAL level noted above under restrictions.

(b) At minimum, for each SO₂ emitting source or unit, at this facility, this information shall be including the total annual SO₂ emissions in TPY (short tons per year) for each calendar month in the reporting period, on a 12-month rolling sum total basis, as well as records of the monitoring data used to establish SO₂ PAL emissions compliance, as required herein.

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

[Authority is also derived from 25 Pa. Code Section 127.511]

**SECTION E. Source Group Restrictions.**

(a) Pursuant to 40 CFR Section 52.21, the permittee shall keep records of fuel certification reports obtained yearly from all the fuel suppliers associated with the sources authorized herein. The reports shall contain the name of the fuel supplier and other supporting info to verify compliance. Additionally, all compliance testing and reports shall be in accordance with the provisions of 25 Pa. Code Chapter 139.

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

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

Pursuant to 40 CFR §§ 52.21(aa)(7)(vii) and (12), all monitoring data and other records of the periodic SO₂ emissions measured from each individual source, if applicable, including any other background data used to verify compliance shall be generated and kept in accordance with the recordkeeping requirements in section B herein and any the other applicable requirements in effect on the unit.

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

(a) Pursuant to 40 CFR §§ 52.21(aa)(7)(ix) and (14), the permittee shall submit semiannual reports of the following:

(1) The monthly emissions of SO₂ from the facility and the supporting calculations/documentation that was used to verify SO₂ PAL emissions compliance including the annual SO₂ emissions calculations in TPY based on 12-month rolling totals for each calendar month in the reporting period.

(2) A list of the emissions units modified or added to the facility during the preceding 6-month period.

(3) The number, duration and cause of deviations or monitoring malfunctions, other than the time associated with zero and span calibration checks, and the corrective action taken.

(4) A notification of a shutdown of a monitoring system, whether the shutdown was permanent or temporary, the reason for the shutdown, the anticipated date that the monitoring system will be fully operational or replaced with another monitoring system, whether the emissions unit monitored by the monitoring system continued to operate, and the calculation of the emissions of the pollutant or the number determined by the method included in this permit, as provided by 40 CFR § 52.21(aa)(12)(vii).

(5) A statement signed by a responsible official of the company that owns or operates the facility certifying the truth, accuracy and completeness of the information provided in the report.

(6) All data relied upon, including, but not limited to, any Quality Assurance or Quality Control data, in calculating the monthly and annual SO₂ emissions.

(7) The identification of owner and operator and the permit number.

(b) The SO₂ PAL emissions semiannual compliance reports shall be submitted to the Department no later than March 1 for the reporting period of July 1 through December 31 of the previous year and September 1 for the reporting of January 1 through June 30 of the current year.

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

Pursuant to 40 CFR § 52.21(aa)(7)(ix), the permittee shall submit reports of deviations or exceedance of the SO₂ PAL requirements in accordance with 40 CFR § 52.21(aa)(14)(ii) unless otherwise specified herein.

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

Pursuant to 40 CFR §§ 52.21(aa)(7)(ix) and (14)(iii), the permittee shall submit to the Department the results of any revalidation test or method no later than three (3) months after completion of such source test or other scientifically valid method.

VI. WORK PRACTICE REQUIREMENTS.

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

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Pursuant to 40 CFR §§ 52.21(aa)(4)(i)(g) and (7)(vi), the permittee shall use a monitoring system that meets the requirements of 40 CFR § 52.21(aa)(12) and conduct monthly SO₂ emissions calculations for the facility consistent with all applicable requirements under 40 CFR § 52.21(aa) in order to verify compliance with the SO₂ PAL limit herein.

(b) Pursuant to 40 CFR §§ 52.21(aa)(4)(g), the permittee shall conduct monitoring, recordkeeping and reporting in accordance with 40 CFR §§ 52.21(aa)(12) through (14) on each emission unit at the facility through the entire PAL effective period.

(c) The permittee shall comply with all other general requirements relating to the SO₂ PAL as applicable pursuant 40 CFR §§ 52.21(aa)(4)(i)&(ii).

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

(a) Pursuant to 40 CFR §§ 52.21(aa)(7)(iii) and (aa)(10)(ii), the permittee shall submit an application to renew the SO₂ PAL at least 6 months prior to, but not earlier than 18 months from, the date of SO₂ PAL permit expiration. Moreover, if a complete renewal application is submitted within this time period, then the SO₂ PAL shall not expire at the end of the SO₂ PAL effective period specified herein and it shall continue to be effective until a revised permit with the renewed SO₂ PAL is issued.

(b) Pursuant to 40 CFR § 52.21(aa)(10)(iii), a complete application to renew the SO₂ PAL contains the following information:

- (1) The information required in § 52.21(aa)(3)(i) through (iii);
- (2) A proposed PAL level;
- (3) The sum of the potential to emit of all emissions units under the PAL (with supporting documentation);
- (4) Any other information the owner or operator wishes the Department to consider in determining the appropriate level for renewing the PAL.

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

Pursuant to the provisions under 40 CFR § 52.21(aa)(1)(ii), the facility is not subject to the Prevention of Significant Deterioration (PSD) requirements of 25 Pa. Code Chapter 127, Subchapter D, for SO₂ emissions, so long as the permittee complies with the SO₂ PAL according to the conditions specified herein. Any increase in the emissions above the SO₂ PAL level may trigger additional requirements pursuant to PSD. The permittee, and this facility, shall comply with all the requirements listed under 40 CFR § 52.21(aa).

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

Pursuant to the provisions of 40 CFR § 52.21(aa)(4)(g)(ii), at no time (during or after the PAL effective period) are emissions reductions of SO₂ that occur during the SO₂ PAL effective period creditable as decreases for the purpose of offsets under 40 CFR § 51.165(a)(3)(ii) unless the level of the SO₂ PAL is reduced by the amount of such emissions reductions and such reductions would be creditable in the absence of the SO₂ PAL.

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

The SO₂ PAL level established by this permit (SO₂ PAL) shall only be increased during the PAL effective period if the provisions of 40 CFR §§ 52.21(11)(i)(a) through (d) are satisfied.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) In accordance with 40 CFR § 52.21(aa)(8)(ii)(a), the SO₂ PAL shall be opened to:

- (1) Correct typographical/calculation errors made in setting the SO₂ PAL or reflect a more accurate determination of emissions used to establish the level of the SO₂ PAL;
- (2) Reduce the SO₂ PAL level if the owner or operator of the major stationary source creates creditable emissions reductions for use as offsets under § 51.165(a)(3)(ii) of this chapter; and
- (3) Revise the SO₂ PAL to reflect an increase in the SO₂ PAL level as provided under paragraph (aa)(11) of § 52.21.

(b) In accordance with 40 CFR § 52.21(aa)(8)(ii)(b), the SO₂ PAL shall, at the discretion of the Department, be opened to:

- (1) Reduce the SO₂ PAL to reflect newly applicable Federal requirements (for example, NSPS) with compliance dates after the PAL effective date;

**SECTION E. Source Group Restrictions.**

- (2) Reduce the SO₂ PAL consistent with any other requirement, that is enforceable as a practical matter, and that the Department may impose on the major stationary source under the State Implementation Plan; and
- (3) Reduce the SO₂ PAL if the reviewing authority determines that a reduction is necessary to avoid causing or contributing to a NAAQS or PSD increment violation, or to an adverse impact on an air quality related value that has been identified for a Federal Class I area by a Federal Land Manager and for which information is available to the general public.

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

Pursuant to 40 CFR § 52.21(aa), the SO₂ PAL expires at the end of the SO₂ PAL effective period unless otherwise specified herein. As applicable, if the SO₂ PAL expires, the permittee shall submit an application to comply with the requirements listed within 25 Pa. Code Chapter 127, subchapters D, relating to the Prevention of Significant Deterioration.

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

The following air contaminant sources are considered to the Department to be insignificant with regards to air contaminant emissions and are determined to be exempt from permitting requirements. However, this determination does not exempt or provide any relief to the sources below from complying with all the applicable requirements, from State and Federal regulations, as derived pursuant to 25 Pa. Code Chapters 121 through 145:

1. Winterization Heater/Engine 1
2. Winterization Heater/Engine 2
3. Small storage tanks including 2000 gallon underground gasoline tank; 1000 gallon antifreeze tank; 2-550 gallon antifreeze tanks; 2-100 gallon plastic tanks containing citric acid solution; 2-1000 gallon propane tanks at Mobile Shop; 1000 gallon propane tank at Maintenance Shop; 500 gallon propane tank at Boiler Building; 500 gallon propane tank at Hawbaker Building; 1000 gallon propane tank at PLS Plant; 500 gallon propane tank at Mine Office.



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