



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

**TITLE V/STATE OPERATING PERMIT**

Issue Date: May 31, 2016      Effective Date: January 11, 2023  
Revision Date: January 11, 2023      Expiration Date:  
Revision Type: Modification, Significant

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: ERIC STOVER  
Title: PLANT MANAGER  
Phone: (814) 355 - 4761      Email: estover@graymont.com

**Permit Contact Person**

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

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



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Source ID	Source Name	Capacity/Throughput	Fuel/Material
032	COMBUSTION UNITS AND HEATERS AT PG AND BEL		
P108	LIME LOAD-OUT AND BAGGING [CONLIME]		
P113	RKP SYSTEM, #10 RAYMOND MILL [BEL]		
P201	HYDRATE PROCESS EQUIPMENT [BEL]		
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]		
P304	DEACTIVATED PREMIXER/LIME HYDRATOR [PG]		
P305	DEACTIVATED FEEDER (410-BEF-6623) [PG]		
P306	PEBBLE LIME HANDLING AND SCREENING [PG]		
P308	LIMESTONE SCREENING [PG]		
P309	PULVERIZED LIME PRODUCTION [PG]		
P310	PULVERIZED LIMESTONE SYSTEM [PG]		
P311	CLASSIC HYDRATE SYSTEM [PG]		
P313	ENHANCED HYDRATE SYSTEM		
P320	CAL-AG SYSTEM [PG]		
P320A	136 HP DIESEL GENERATOR [PG]		
P321	MISCELLANEOUS EMERGENCY GENERATORS [PG]		
P322	MINE OPTIMIZATION SYSTEM [PG]		
P328	KILN 8 EMERGENCY GENERATOR		
P399	PRIMARY CRUSHING OPERATIONS [PG]		
P403	KILN 7 LKD HANDLING [PG]		
P404	COPRODUCTS PILE [PG]		
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P418	LIME KILN NO. 8 [PG]		
P515	FLOUR PLANT [CONLIME]		
P520	GLASSHOUSE TRUCK LOADOUT [CONLIME]		
P522	PLANT ROADS [CONLIME]		
P601	COLD CLEANING MACHINE (PARTS WASHER) [PG]		
C10	RKP FABRIC COLLECTOR (345-PDC-7745) [BEL]		
C16	SLY FABRIC COLLECTOR [CON-LIME]		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
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-7770) [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)		
C304	FABRIC COLLECTOR (LIME HYDRATOR)		
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)		
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)		
C320	CAL-AG WET SUPPRESSION SYSTEM		
C322	FABRIC COLLECTOR (235-PDC-144)		
C399	PRIMARY CRUSHER WET SUPPRESSION SYSTEM		
C403	LKD BAGHOUSE (327-PDC-6714)		
C404	COPRODUCTS PILE WET SUPPRESSION SYSTEM		

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
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]		
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		
S304	HYDRATOR/PREMIER/FEED BIN 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-		

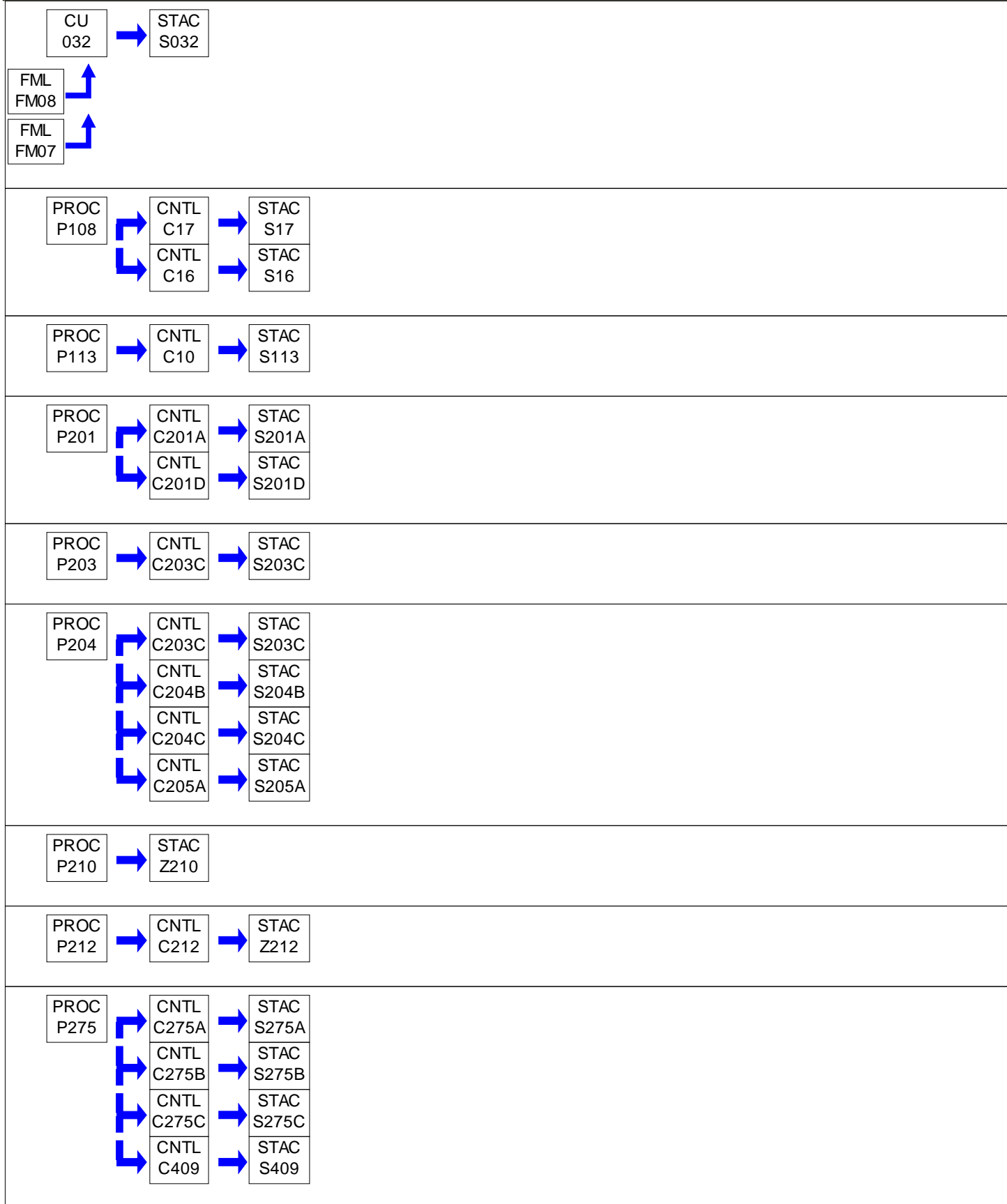
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
	136		
S311B	FABRIC COLLECTOR STACK 410-STA-400		
S311C	FABRIC COLLECTOR STACK 405-STA-206		
S311D	FABRIC COLLECTOR STACK 410-STA-430		
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		
S320A	GENERATOR STACK		
S321	MISC EMERGENCY GENERATORS STACKS		
S322	FABRIC COLLECTOR 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		
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		
Z399	CRUSHING FUGITIVES		
Z404	FUGITIVES		
Z406	FUGITIVE DUST		
Z412	FUGITIVES		
Z522	FUGITIVE DUST [CON-LIME]		
Z601	PARTS WASHER EMISSIONS		

**PERMIT MAPS**



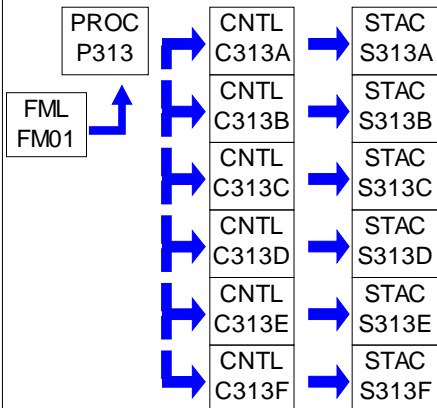
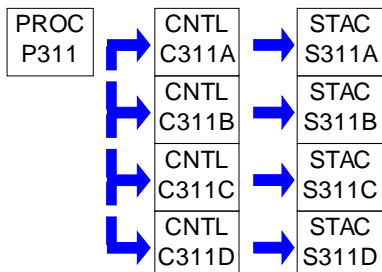
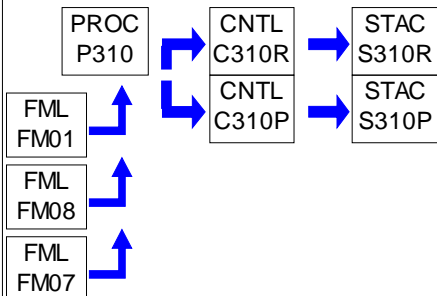
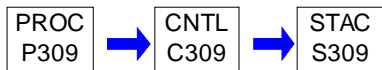
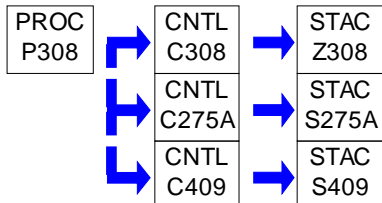
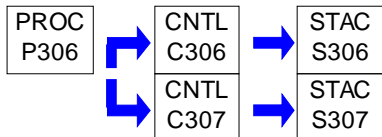
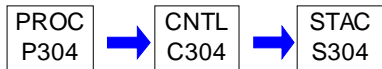
PERMIT MAPS





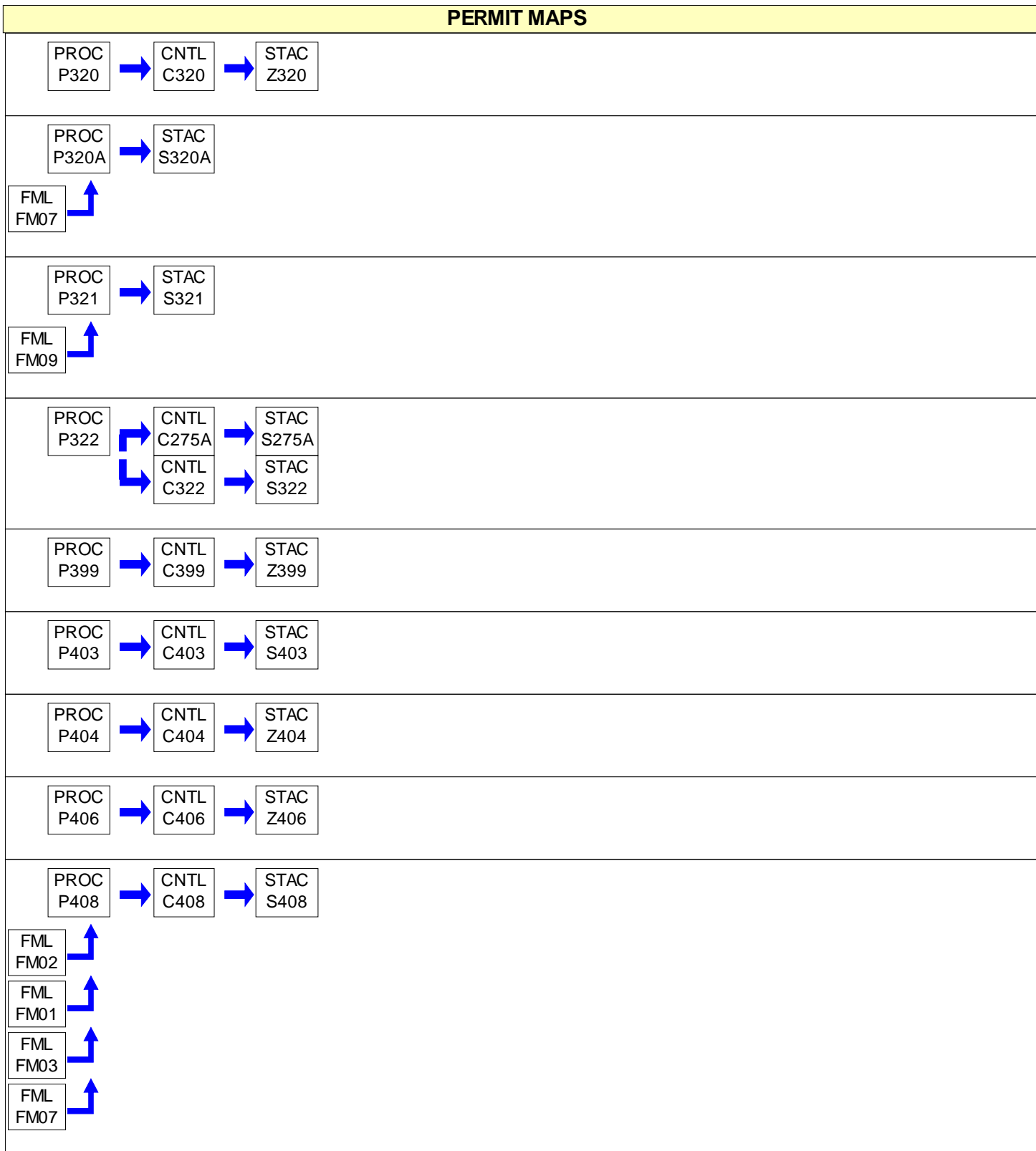


PERMIT MAPS



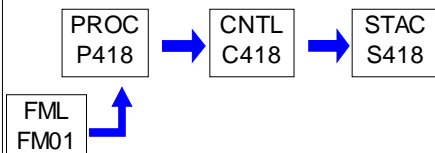
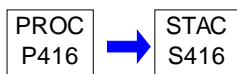
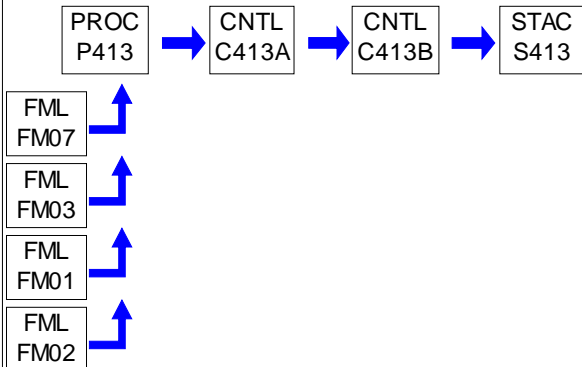
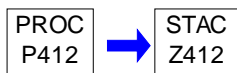
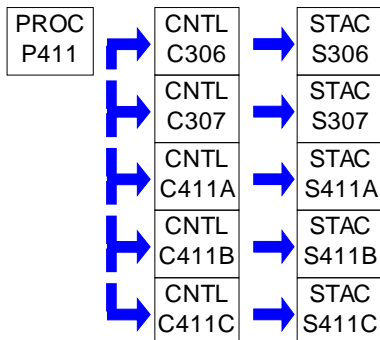
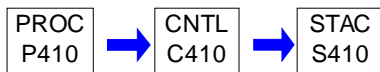
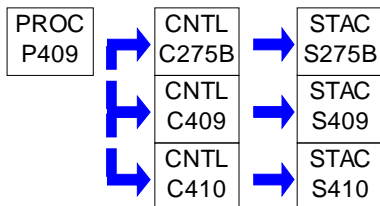


### PERMIT MAPS



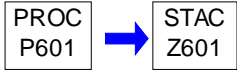
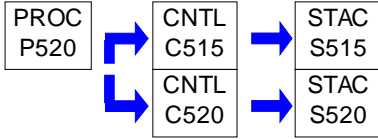


## PERMIT MAPS





**PERMIT MAPS**





**SECTION B. General Title V Requirements**

**#001 [25 Pa. Code § 121.1]**

**Definitions**

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

**#002 [25 Pa. Code § 121.7]**

**Prohibition of Air Pollution**

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

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

**Property Rights**

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

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

**Permit Expiration**

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

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

**Permit Renewal**

- (a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.
- (b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).
- (d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

**#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**

**Transfer of Ownership or Operational Control**

- (a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:
  - (1) The Department determines that no other change in the permit is necessary;
  - (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,
  - (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

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

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

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

(5) The results of the analyses.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (1) Construction or demolition of buildings or structures,
- (2) Grading, paving and maintenance of roads and streets,
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets,
- (4) Clearing of land,
- (5) Stockpiling of materials,
- (6) Open burning operations,
- (7) 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 above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (a) The emissions are of minor significance with respect to causing air pollution,
  - (b) 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 (1) through (8) in Condition #001 above if the 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.**

[This emission restriction is taken so that the facility is not defined as a major facility for volatile organic compound (VOC) emissions]

The total combined emission of VOC from all sources located at the facility shall not equal or exceed 50 tons in any 12 consecutive month period.

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

[Authority for this permit condition is also derived from 25 Pa. Code section 127.12b]

- (a) The following Plan Approvals are incorporated by reference at this time until all other plan approval requirements that are not related to the SO<sub>2</sub> PAL permit renewal are incorporated and/or addressed into Title V Permit 14-00002 at a later time as part of the pending renewal Title V operating permit application review:

Plan Approval 14-00002N issued on November 19, 2012, and Plan Approval 14-00002P issued on April 30, 2014, both

**SECTION C. Site Level Requirements**

extended on January 6, 2023, for the construction and temporary operation of the Kiln No. 8 project including Kiln No. 8 Project Stone Reclamation System (Source ID P322A), Kiln No. 8 Processed Stone Handling (Source ID P323), Kiln No. 8 Lime Kiln Dust Handling and Loading System (Source ID P324), Kiln No. 8 Project Lime Handling and Storage System (Source ID P325), Kiln No. 8 Project Lime Loading System (Source ID P326), Emergency Generator (Source ID P328), and Kiln No. 8 (Source ID P418).

Plan Approval 14-00002R issued on January 30, 2017, extended on December 28, 2022, for the construction and temporary operation of the Enhanced Lime Hydrate system (Source ID P313).

Plan Approval 14-00002S issued on June 20, 2017, extended on November 14, 2022, for the construction and temporary operation of natural gas firing/co-firing as authorized per the terms and conditions therein for Source IDs P408 and P413. This plan approval also includes the NOx and CO Plantwide Applicability Limits (PALs) and other PAL requirements pursuant to 25 Pa. Code Chapters 127 subchapters D and E, relating to Prevention of Significant Deterioration and New Source Review.

Plan Approval 14-00002T issued on June 30, 2017, extended on December 12, 2022, for the construction and temporary operation of Source IDs P311 and P314, associated with the Bagging System.

(b) The permittee shall comply with Title V Permit 14-00002 by complying with the terms and conditions of the above Plan Approvals. The terms and conditions related to the SO<sub>2</sub> PAL permit as specified in Plan Approval 14-00002N will be superseded upon issuance of this significant operating permit modification (DEP Auth 1397000).

**Fuel Restriction(s).****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The No. 2 fuel oil used at the facility shall meet the following maximum allowable sulfur content restrictions pursuant to 25 Pa. Code Section 123.22 (and the specifications as provided by the permittee within the significant operating permit modification - DEP Auth 1397000). In addition, all the No. 2 fuel oil fired at the facility shall be virgin fuel to which no reclaimed or waste oil or other waste materials have been added.

(1) The sulfur content of all the No. 2 fuel oil shipments through June 30, 2016 shall not exceed 0.5 percent by weight.

(2) Beginning on July 1, 2016 through August 31, 2020, the sulfur content of all the No. 2 fuel oil shipments accepted by the permittee in this period shall not exceed 500 ppm by weight.

(3) Beginning on September 1, 2020, the sulfur content of all the No. 2 fuel oil shipments accepted by the permittee shall not exceed 15 ppm (0.0015%) by weight.

**II. TESTING REQUIREMENTS.****# 008 [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.

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

(a) The permittee shall sample all deliveries of No. 2 fuel oil and perform sampling analysis in accordance with the provisions of 25 Pa. Code Chapter 139, to determine the sulfur content, in units of ppm by weight, and verify compliance with the applicable maximum allowable sulfur content.

(b) In lieu of performing sampling and analysis on each of the received deliveries, the permittee shall obtain a copy of the fuel shipment analysis report from the fuel supplier(s), to verify compliance with the applicable maximum allowable sulfur content. The analysis report shall be signed and certified by the responsible individual(s) representing the fuel supplier(s). The certification shall be as follows, "based on information and belief formed after reasonable inquiry, the results contained in the fuel shipment analysis report are true, accurate and complete."



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

- (a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing an EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One electronic copy shall be sent to the Northcentral Regional Office Air Quality Program Manager and one electronic copy shall be also sent to the PSIMS Administrator in Central Office. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- (c) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.
- (d) Pursuant to 25 Pa. Code § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or noncompliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:
1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
  2. Permit number(s) and condition(s) which are the basis for the evaluation.
  3. Summary of results with respect to each applicable permit condition.
  4. Statement of compliance or non-compliance with each applicable permit condition.
- (e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.
- (f) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.
- (g) Pursuant to 25 Pa. Code § § 139.53(a)(1) and 139.53(a)(3), electronic copies of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager, with deadlines verified. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. Email addresses are provided on the PA DEP website.
- (h) The permittee shall insure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

**# 011 [25 Pa. Code §139.1]****Sampling facilities.**

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

**SECTION C. Site Level Requirements****# 012 [25 Pa. Code §139.11]****General requirements.**

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

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

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

**III. MONITORING REQUIREMENTS.****# 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]

(a) The permittee shall conduct daily inspections, during the daylight hours and while each facility (Bellefonte, Con-Lime, and Pleasant Gap) is in operation, to detect visible emissions, visible fugitive emissions, and malodors. Inspection(s) shall be conducted at least once in any calendar day in which the facility(-ies) was/were in operation, to detect for the presence of visible emissions; the presence of visible fugitive emissions; and the presence of malodors beyond the boundaries of each facility in operation.

(b) All detected visible emissions, visible fugitive emissions, or malodors that have the potential to exceed applicable limits shall be reported to the manager of the facility.

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

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

The permittee shall keep records to demonstrate conformance with the permit condition that requires testing of all deliveries of No. 2 fuel oil or receipt of fuel shipment analysis for all deliveries, as specified under testing requirements.

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

The permittee shall keep monthly records of the emissions calculations, including supporting documentation, that demonstrate conformance with the volatile organic compound (VOC) emission restriction as specified under restrictions.

**# 016 [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]

All records including supporting documentation that are used in determining compliance with the terms and conditions of

**SECTION C. Site Level Requirements**

this Title V operating permit shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

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

The permittee shall maintain records of the monitoring malfunctions and associated downtime, which occur at the facility. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

**# 018 [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 SO<sub>2</sub> 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 SO<sub>2</sub> 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.

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

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

The permittee shall maintain records that demonstrate conformance with the permit condition which requires daily inspections as specified under monitoring requirements (in this section). The records shall include each inspection and the date and time; each instance of detected visible emissions, fugitive emissions or malodors, and the name of the company representative that conducted each inspection. Additionally, the permittee shall record description, including timing, of the corrective action(s) that were taken to abate each instance and/or prevent future occurrence.

**# 020 [25 Pa. Code §135.5]****Recordkeeping**

The permittee shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with § 135.3 and 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

**V. REPORTING REQUIREMENTS.****# 021 [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.

**SECTION C. Site Level Requirements**

(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.

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

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

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

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

(a) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in Condition #026 of Section B, General Title V Requirements, no later than September 1 (from July 1 of the previous year through June 30 of the current year). The following email address shall be used to submit the compliance certifications to the EPA Region III: R3\_APD\_Permits@epa.gov

(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 1 through June 30) and March 1 (for July 1 through December 31 of the previous year).

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

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

**# 024 [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

**SECTION C. Site Level Requirements**

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.

**# 025 [25 Pa. Code §135.3]****Reporting**

(a) A person who owns or operates a source to which 25 Pa. Code Chapter 135 applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

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

**# 026 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants  
Reporting and recordkeeping.**

The permittee shall submit to the Department and the EPA the following information for sources that they wish to seek exemption under the provisions 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 replacement crusher.

(2) For a conveyer 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.****# 027 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

For any source specified in 25 Pa. Code Section 123.1(a)(1-7) or (9), the permittee 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, 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.

**# 028 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall install a fence and gates, to enclose the entire plant property. The fence shall be at a minimum three-wire, barbed or smooth, the top wire at a height of no less than four feet, and constructed such that an adult person cannot easily step through. The fence shall have signs spaced at intervals no greater than 100 yards, with the message "No Trespassing". Lockable gates shall be installed at both ends of (formerly) Airport Road and at any other place along plant property line where access through the fence is needed. The two gates installed at both ends of the former Airport Road will be locked open. Video cameras shall be installed, viewing gates at plant property entrances at both ends of Airport

**SECTION C. Site Level Requirements**

Road. These two gates shall be viewable on monitors installed in the plant main control room.

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

The permittee shall keep on hand a sufficient quantity of spare bags for each fabric collector at this facility, in order to be able to replace any bags that are torn or deteriorated.

**VII. ADDITIONAL REQUIREMENTS.****# 030 [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)).

**# 031 [25 Pa. Code §123.31]****Limitations**

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

**# 032 [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 fugitive particulate matter from becoming airborne.

**# 033 [25 Pa. Code §129.14]****Open burning operations**

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

**# 034 [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.**

Any Nonmetallic Mineral Processing source that is replaced at the facility and currently not subject to 40 CFR Part 60 Subpart OOO, Standards for Performance for Nonmetallic Mineral Processing Plants, will continue to be exempt from 40 CFR Part 60 Subpart OOO provided that the new source is of equal or smaller size as defined in 40 CFR Section 60.671 and has the same function as the previous source. However, the permittee shall comply with all applicable requirements of 25 Pa. Code Chapter 127 prior to the construction of the new source. Additionally, the permittee shall submit the information as required by 40 CFR Part 60 Section 60.676(a) to the Department and the EPA.

**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 \*\*\***

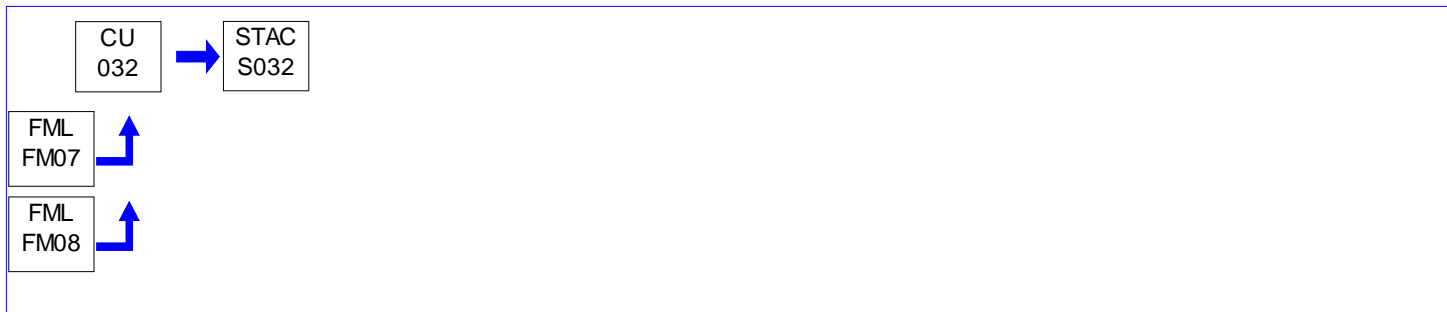
**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: COMBUSTION UNITS AND HEATERS AT PG AND BEL

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SO2 PAL PERMIT

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, 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 restriction requirements as specified herein in Section C.

**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 for this permit condition is also derived from 25 Pa. Code Section 129.100]

The permittee shall keep records to demonstrate that each of the combustion units and other combustion sources associated with Source ID 032 is installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

# 004 [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 and keep record of fuel used to operate the combustion units associated with Source ID 032

**SECTION D. Source Level Requirements**

and fuel-based, potential emissions calculations, e.g. potential SO<sub>2</sub> emissions resulting from the maximum total sulfur in the fuel, for these air contaminant sources, (or other periodic monitoring and records as approved by the Department), in order to demonstrate compliance with the applicable SO<sub>2</sub> emission restriction.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.97]

The permittee shall install, maintain and operate each of the combustion units and other combustion sources associated with Source ID 032 in accordance with the manufacturer's specifications and with good operating practices.

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

Source ID 032 consists of the following combustion units, space heaters and furnaces:

Located at Pleasant Gap:

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)

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

In addition to those herein, the other permit conditions and terms as applicable to Source ID 032 are specified in Plan Approval 14-00002S. As noted within section C herein, these will be addressed and/or incorporated into TVOP 14-00002 at a later time as part of the pending Title V operating permit renewal process.

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



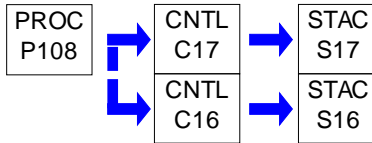
**SECTION D. Source Level Requirements**

Source ID: P108

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

Source Capacity/Throughput:

Conditions for this source occur in the following groups: RECORDKEEPING

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

[Additional authority for this permit condition is also derived from 40 CFR Section 64.6]

(a) Within 120 days of the issuance date of this Title V operating permit, the permittee shall conduct stack testing on the ID C17 fabric collector, based on EPA Reference Test Method(s), while the sources which are controlled by the fabric collector are operating at maximum routine operating conditions, to verify compliance with the emission restriction and ensure the applicable requirements in 40 CFR Sections 64.3 and 64.4 are satisfied. Additionally, the permittee shall continuously monitor and record the differential pressure of the fabric collector during the stack testing.

(b) The stack testing shall be conducted under conditions representative of maximum emissions potential under anticipated process and control device operating conditions. The differential pressure data recorded during the stack testing program may be supplemented by engineering assessments and manufacturer's recommendations to justify the performance of the CAM indicator range or, if applicable, the procedures for establishing new CAM indicator ranges.

(c) In lieu of meeting the requirements in paragraphs (a) and (b) of this permit condition, the permittee shall submit a vendor performance guarantee for the ID C17 fabric collector, which is based on quantitative emissions data, to ensure the applicable requirements in 40 CFR Sections 64.3 and 64.4 are satisfied.

**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 the ID C16 fabric collector.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

(a) The permittee shall operate instrumentation that continuously monitors the differential pressure of the ID C17 fabric collector, to verify the differential pressure is within the CAM indicator range.

**SECTION D. Source Level Requirements**

- (b) The accuracy of the differential pressure monitoring instrumentation equipped on ID C17 shall be  $\pm 10\%$  of the minimum of the CAM indicator (lower end of the range) or  $\pm 0.1$  inches of water, whichever is greater.
- (c) The resolution of the differential pressure monitoring instrumentation equipped on ID C17 shall be at least down to the tenths in units of inches of water.
- (d) The proposed CAM indicator range in the CAM plan submitted on May 12, 2014, for the ID C17 fabric collector is specified below.
- (1) ID C17 CAM indicator range: 0.5 - 8.0 inches of water. One weekly record of the differential pressure outside of the CAM indicator range is defined as an excursion.

**# 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]

While Source ID P108 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each fabric collector stack (S16 and S17) 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.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

While Source ID P108 is in operation, the permittee shall record the differential pressure of the ID C17 fabric collector. 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 also include the date and time of each record. The permittee shall also record all excursions, as defined herein, including description and timing of any corrective action(s) that were taken to restore normal operation.

**# 008 [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 P108 is in operation, the permittee shall record the differential pressure of the ID C16 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.

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

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

The permittee shall record all inspections, repair and maintenance performed on the ID C17 fabric collector and the differential pressure monitoring instrumentation equipped on the ID C17 fabric collector, including inventory of necessary parts for routine repairs of the fabric collector and its instrumentation.

**# 010 [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 (S16 and S17), 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.

**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.****# 011 [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.

**# 012 [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).

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

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

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

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

The permittee shall maintain the differential pressure monitoring instrumentation for each fabric collector (C16 and C17) according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.
- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

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

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

Upon detection of an excursion, the permittee shall restore normal operation of the source(s) and the ID C17 fabric collector back to normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

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

(a) Source ID P108 consists of the following sources that are located at the Con-Lime plant and associated with the bulk hydrated and pebbled lime load-out operation, and bagging operation.

- Bulk Load Hydrate Tank (Silo) #1\*
- Bulk Load Hydrate Tank (Silo) #2\*
- Bulk Load Hydrate Tank (Silo) #3\*
- Bulk Load Hydrate Tank (Silo) #4\*
- Bulk Load Hydrate Tank (Silo) #5\*
- Silo #1, 2, 5 Pneumatic Feed\*
- Silo #3 Pneumatic Feed \*
- Silo #4 Pneumatic Feed \*
- Silo #3 Screw Conveyor (Hyd. #3)\*

**SECTION D. Source Level Requirements**

Silo #1 Screw Conveyor to Silo #2 Conveyor (Hyd. #1)\*  
 Silo #2 Screw Conveyor (Hyd. #2)\*  
 Truck Load-out from Silo #2 (Screw Conveyor) - Controlled by ID C16  
 Bucket Elevator #11  
 25-ton Waste Silo  
 Basement Screw Conveyor #1  
 Basement Screw Conveyor #2  
 Basement Screw Conveyor #3  
 Hopper #1  
 Hopper #2  
 Hopper #3  
 Hopper #4  
 Hopper #5  
 #3 Bagging Station\*  
 #4 Bagging Station\*  
 #5 Bagging Station\*  
 Super Sack Bagging\*

(b) ID C17, a Sly Dynaclone model no. 11 type B fabric collector, shall control the air contaminant emissions from the \* marked sources as noted above.

(c) ID C16, a Sly Dynaclone model PS-3 fabric collector, shall control the air contaminant emissions from the Truck Load-out at Silo #2.

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

The provisions specified under 40 CFR Section 64.8 apply if implementation of a quality improvement plan (QIP) is required. Pursuant to 40 CFR Section 64.8(a), the implementation of a QIP is required if six excursions occur in any semi-annual reporting period.

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

The permittee shall promptly notify the Department if the need for improved monitoring is discovered, as outlined 40 CFR Section 64.7(e).

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

The sources of Source ID P108 which are controlled by the ID C17 fabric collector are subject to the requirement at 40 CFR Part 64, relating to Compliance Assurance Monitoring (CAM). The permittee shall comply with all of the applicable provisions pertaining to Source ID P108, as specified in 40 CFR Section 64.1 through 64.10.

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

**SECTION D. Source Level Requirements**

Source ID: P113

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

Source Capacity/Throughput:

Conditions for this source occur in the following groups: INSTALL PD  
RECORDKEEPING**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) and/or Section E (Source Group Restrictions).

**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 Section 127.511]

While Source ID P113 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of the fabric collector stack (S113) 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.

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

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

The permittee shall operate instrumentation that continuously monitors the differential pressure of the ID C10 fabric collector.

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

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

The permittee shall keep records, in a logbook or electronically, that demonstrate conformance with the permit condition that requires performance of daily inspections of the fabric collector stack (S113), 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.

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

While Source ID P113 is in operation, the permittee shall record the differential pressure of the ID C10 fabric collector to

**SECTION D. Source Level Requirements**

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.

**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.**

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

The permittee shall maintain the differential pressure monitoring instrumentation for the ID C10 fabric collector according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.
- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

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

(a) Source ID P113 is the #10 Raymond Mill (5-33) and RKP storage building located at the Bellefonte plant. The #10 Raymond Mill is equipped with a cyclone.

(b) ID C10, a Mikropul 80 S-8-20 fabric collector, shall control the air contaminant emissions from the #10 Raymond Mill.

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

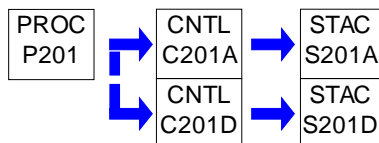
**SECTION D. Source Level Requirements**

Source ID: P201

Source Name: HYDRATE PROCESS EQUIPMENT [BEL]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: INSTALL PD  
RECORDKEEPING

**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) and/or Section E (Source Group Restrictions).

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

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

While Source ID P201 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each fabric collector stack (S201A and S201D) 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****# 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 (C201A and C201D).

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

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

The permittee shall keep records, in a logbook or electronically, that demonstrate conformance with the permit condition that requires performance of daily inspections of each fabric collector stack (S201A and S201D), 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.

**# 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 P201 is in operation, the permittee shall record the differential pressure of each fabric collector (C201A and C201D) 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.

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

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

The permittee shall maintain the differential pressure monitoring instrumentation for each fabric collector (C201A and C201D) according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.
- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

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

(a) Source ID P201 consists of the following process equipment.

- (1) Screw Conveyor 7 (6-11)
- (2) Screw Conveyor 8 (6-14)
- (3) Pneumatic transfer line to East Tank



**SECTION D. Source Level Requirements**

(b) ID C201A, Mikro-Pul model 80 F 3 fabric collector, shall control the air contaminant emissions from the process equipment listed in (a)(1) through (3) of this condition.

(c)(4) Pneumatic transfer line to St. Regis Hydrate Bagger

(5) East Tank - Hydrate Bin

(6) West Tank - Hydrate Bin

(7) St. Regis Storage Bin (100 ton)

(8) 9" screw (6-11B)

(9) 12" screw St. Regis spillage (6-13B)

(10) 14" screw (6-12)

(11) Surge Bin to St. Regis

(12) Bucket elevator St. Regis (6-7)

(13) 14" screw (6-13)

(14) 16" screw to truck loadout (6-17)

(15) One four spout St. Regis Force-Flo bag packer (6-33A)

(16) One Surtorbilt blower system

(d) ID C201D, a Mikro-Pul model 144 S-8-20 fabric collector, shall control the air contaminant emissions from the sources listed in (c)(4) through (16) of this condition.

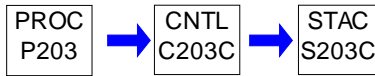
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P203

Source Name: RAW LIME HANDLING [BEL]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: INSTALL PD  
RECORDKEEPING**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) and/or Section E (Source Group Restrictions).

**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 C203C 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 P203 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of the fabric collector stack (S203C) 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 P203 is in operation, the permittee shall record the differential pressure of the ID C203C 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.

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

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

The permittee shall keep records, in a logbook or electronically, that demonstrate conformance with the permit condition that requires performance of daily inspections of the fabric collector stack (S203C), 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) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.****# 006 [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 maintain the differential pressure monitoring instrumentation for the ID C203C fabric collector according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.
- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

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

(a) Source ID P203 consists of the following sources located at the Bellefonte plant:

No 6 Bucket Elevator (5-6)\*  
 No. 6 Bunker  
 Pneumatic transfer lines to Bunker 6\*  
 Conveyor 3 (5-15C)  
 Lower #6 elevator (5-5)  
 Pneumatic transfer lines to Silos 4 and 5\*  
 Rail Unloading  
 One Pan Conveyor (5-15A)  
 One Pan Conveyor (5-16A)  
 18" Pan Conveyor (5-17A)  
 18" pan conv to No. 4 elevator (5-13A)\*  
 No. 4 Elevator, Webster (14"x 7") Bucket Elevator (5-3)\*  
 Webster Drag Conveyor (5-14A)\*  
 No. 4 Bunker\*  
 No. 5 Bunker\*  
 No. 5 Elevator Webster 14" x 9" bucket Elevator (5-4)\*

(b) ID C203C, a MikroPul model 100 S-8-20 fabric collector, shall control the air contaminant emissions from the \* marked sources. The rail unloading process shall be controlled by boot lift/choke feed.

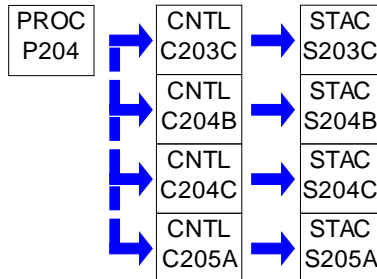
\*\*\* **Permit Shield in Effect.** \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P204

Source Name: RAW LIME PROCESSING [BEL]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: INSTALL PD  
RECORDKEEPING**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) and/or Section E (Source Group Restrictions).

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

**SECTION D. Source Level Requirements**

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

While Source ID P204 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each fabric collector stack (S203C, S204B, S204C, and S205A) 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.

**# 006 [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 (C203C, C204B, C204C, and C205A).

**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.**

[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 (S203C, S204B, S204C, and S205A), 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.

**# 009 [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 P204 is in operation, the permittee shall record the differential pressure of each fabric collector (C203C, C204B, C204C, and C205A) 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.

**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.**

**# 010 [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.

**# 011 [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

**SECTION D. Source Level Requirements**

fitted with tarps. At no time shall open topped trucks without tarps be loaded with the loadout spout.

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

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

The permittee shall maintain the differential pressure monitoring instrumentation for each fabric collector (C203C, C204B, C204C, and C205A) according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.
- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

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

(a) Source ID P204 consists of the following source which are located at the Bellefonte plant:

18" Belt (5-18B) - Controlled by C203C  
 Screw Conveyor 2 (5-16B)  
 Screw conveyor (5-11D) to truck loadout\*  
 Screw conveyor (5-11E) to rail loadout - Controlled by C205A  
 100T RKP Bin  
 McLanahan Double Roll Crusher (5-36)\*  
 Hewitt Robins double Deck, eliptex Screen (5-21)\*  
 LOADING CHUTE 1\*  
 LOADING CHUTE 2\*  
 LOADING CHUTE 3\*  
 LOADING CHUTE 4\*  
 East Shuttle Belt (5-12B)\*  
 West Shuttle Belt (5-11B)\*  
 12" Bucket Elevator (5-7)^  
 Four 60 ton storage bins (truck bunkers)^  
 BIN1 (Lime Loading Bin)\*  
 BIN2 (Lime Loading Bin)\*  
 BIN3 (Lime Loading Bin)\*  
 BIN4 (Lime Loading Bin)\*  
 100 ton storage tank (Flow aid) and associated pneumatic loading system - Controlled by C205A  
 Three Midwest D30-12 loadout spouts\*  
 Bagging Station 1 for bagging ground lime and 1/8"x1/2" lime\*  
 Bagging Station 2 for bagging ground lime and 1/8"x1/2" lime\*  
 Bagging Station 3 for bagging pulverized RKP lime\*  
 Bagging Station 4 for bagging pulverized RKP lime\*

(c) The \* marked sources shall be controlled by a Johnson-March PT 10-13-14 fabric collector (ID C204B).

(d) The ^ marked sources shall be controlled by a MikroPul model 64 S-8-20 fabric collector (ID C204C).

(e) ID C203C, a MikroPul model 100 S-8-20 fabric collector, shall control the air contaminant emissions from the source(s), as specified above.

(f) ID C205A, a Young Industries VM60-36 fabric collector, shall control the air contaminant emissions from the source(s), as



**SECTION D. Source Level Requirements**

specified above.

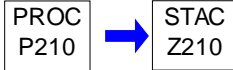
**\*\*\* Permit Shield in Effect. \*\*\***

**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 consists of the following above ground storage tanks, located at the Pleasant Gap plant:

12,000 gal. diesel fuel tank (Kilns)

12,000 gal. diesel fuel tank (Mobile Equipment)



**SECTION D. Source Level Requirements**

12,000 gal. diesel fuel tank (PLS)  
1,000 gal. waste oil tank  
540 gal. Chem Treat CL-4898 tank  
4-500 gal. tanks containing hydraulic oil  
2-500 gal. tanks containing motor oil  
275 gal. tank containing lubricating oil  
1-300 gallon Steam Jenny diesel oil tank  
60 gal. hydraulic oil reservoir

(b) Source ID P210 consists of the following above ground storage tanks, located at the Bellefonte plant:

12,000 gal. diesel fuel tank (Mobile Equipment)  
2,000 gal. waste oil tank (Now No. 2 oil for heater)  
1,500 gal. diesel fuel tank (Changehouse oil heater)  
5-275 gal. tanks containing lubricating oil  
240 gal. tank containing gasoline (Equipment)

**\*\*\* 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. \*\*\***

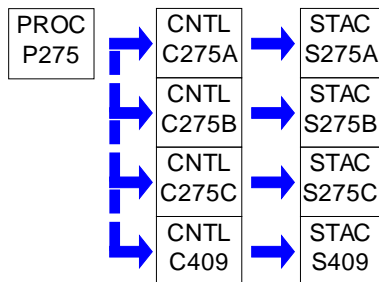
**SECTION D. Source Level Requirements**

Source ID: P275

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

Source Capacity/Throughput:

Conditions for this source occur in the following groups: STONE

**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 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 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]

**# 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 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]

**# 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 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]

**# 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 S409 exceeds five percent, based on any 6-minute average, block. [Compliance with the opacity restriction in this permit condition will assure compliance with the applicable opacity restriction as specified in 40 CFR Section 60.672]

**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 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.

[Compliance with the opacity restriction in this permit condition will assure compliance with the applicable opacity restriction as specified in 40 CFR Section 60.672]

**# 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 P275 in a manner such that the opacity of the emission at S275A exceeds five percent, based on any 6-minute average, block.

[Compliance with the opacity restriction in this permit condition will assure compliance with the applicable opacity restriction as specified in 40 CFR Section 60.672]

**# 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 S275C exceeds five percent, based on any 6-minute average, block.

[Compliance with the opacity restriction in this permit condition will assure compliance with the applicable opacity restriction as specified in 40 CFR Section 60.672]

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

[Additional authority for this permit condition is also derived from 40 CFR Sections 60.672, 60.675 and 64.6]

(a) Within 120 days of the issuance date of this Title V operating permit, the permittee shall conduct stack testing on the ID C275A fabric collector, based on EPA Reference Test Method(s), while the sources which are controlled by the fabric collector are operating at maximum routine operating conditions, to verify compliance with the emission restriction and ensure the applicable requirements in 40 CFR Sections 64.3 and 64.4 are satisfied. Additionally, the permittee shall continuously monitor and record the differential pressure of the fabric collector during the stack testing.

(b) The stack testing shall be conducted under conditions representative of maximum emissions potential under anticipated process and control device operating conditions. The differential pressure data recorded during the stack testing program may be supplemented by engineering assessments and manufacturer's recommendations to justify the performance of the CAM indicator range or, if applicable, the procedures for establishing new CAM indicator ranges.

**# 010 [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 P275 is in operation, the permittee shall conduct 30-minute testing for determining compliance with the applicable opacity restrictions, based on Test Method 9 of Appendix A-4 to Part 60 of Title 40 of the Code of Federal Regulation. The testing shall be conducted on each fabric collector (C275A, C275B, C275C, and C409) at least once in any calendar quarter.

[Where applicable, compliance with this permit condition will assure compliance with the provision that requires quarterly performance of 30-minute visible emission observations, as specified in 40 CFR Section 60.674(c)]

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

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

The permittee shall operate instrumentation that continuously monitors the differential pressure of each fabric collector (C275B, C275C, and C409).

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

(a) The permittee shall operate instrumentation that continuously monitors the differential pressure of the ID C275A fabric collector, to verify the differential pressure is within the CAM indicator range.

(b) The accuracy of the differential pressure monitoring instrumentation equipped on ID C275A shall be  $\pm 10\%$  of the minimum of the CAM indicator (lower end of the range) or  $\pm 0.1$  inches of water, whichever is greater.

(c) The resolution of the differential pressure monitoring instrumentation equipped on ID C275A shall be at least down to the tenths in units of inches of water.

(d) The proposed CAM indicator range in the CAM plan submitted on May 12, 2014, for the ID C275A fabric collector is specified below.

(1) ID C275A CAM indicator range: 2.0 - 10.0 inches of water. One daily record of the differential pressure outside of the CAM indicator range is defined as an excursion.

**# 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]

While Source ID P275 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each fabric collector stack (S275A, S275B, S275C, and S409) 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.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

The permittee shall record all inspections, repair and maintenance performed on the ID C275A fabric collector and the differential pressure monitoring instrumentation equipped on the ID C275A fabric collector, including inventory of necessary parts for routine repairs of the fabric collector and its instrumentation.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

While Source ID P275 is in operation, the permittee shall record the differential pressure of the C275A fabric collector. The differential pressure shall be recorded once in any calendar day, at least, unless the source was not in operation during the entire calendar day. The records shall also include the date and time of each record. The permittee shall also record all excursions, as defined herein, including description and timing of any corrective action(s) that were taken to restore normal operation.

**# 016 [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 P275 is in operation, the permittee shall record the differential pressure of each fabric collector (C275B, C275C, and C409) 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.

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

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

**SECTION D. Source Level Requirements**

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 (S275A, S275B, S275C, S409), 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) and/or Section E (Source Group Restrictions).

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

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

Upon detection of an excursion, the permittee shall restore normal operation of the source(s) and the ID C275A fabric collector back to normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

**# 019 [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 maintain the differential pressure monitoring instrumentation for each fabric collector (C275A, C275B, C275C, and C409) according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.
- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

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

The provisions specified under 40 CFR Section 64.8 apply if implementation of a quality improvement plan (QIP) is required. Pursuant to 40 CFR Section 64.8(a), the implementation of a QIP is required if six excursions occur in any semi-annual reporting period.

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

The permittee shall promptly notify the Department if the need for improved monitoring is discovered, as outlined 40 CFR Section 64.7(e).

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

The sources associated with Source ID P275 which are controlled by the ID C275A fabric collector are subject to the requirement at 40 CFR Part 64, relating to Compliance Assurance Monitoring (CAM). The permittee shall comply with all of the applicable provisions pertaining to Source ID P275, as specified in 40 CFR Section 64.1 through 64.10.

**SECTION D. Source Level Requirements****# 023 [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.

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

(a) Source ID P275 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:

12-BC-218; Belt conveyor; 12-D-324/305-PDC-500

12-BC-216; Belt conveyor; 12-D-324

12-CR-214; Secondary crusher; 12-D-324

12-S-204; Silo; 12-D-324

12-S-206; Silo; 12-D-324

12-S-208; Silo; 12-D-324

12-SCN-202; Screen; 12-D-324

12-BC-108; Belt conveyor; 12-D-324/305-PDC-500

12-BC-212; Belt conveyor; 12-D-324

12-BC-302; Belt conveyor; 12-D-324

12-SCN-304; Screen; 12-D-324

13-F-10; Feeder

13-F-12; Feeder

13-F-14; Feeder

13-F-16; Feeder

13-F-30; Feeder

13-F-32; Feeder

13-F-34; Feeder

13-F-36; Feeder

13-F-38; Feeder

13-F-40; Feeder

Pile; Stone pile

Pile #1; Stone pile

Pile #2; Stone pile

Pile #3; Stone pile

Pile #4; Stone pile

12-BC-308; Belt conveyor; 12-D-324

12-BC-310; Belt conveyor; 12-D-324

12-BC-312; Belt conveyor; 12-D-324/13-D-20

12-BC-314; Belt conveyor; 12-D-324/12-D-328

12-BC-318; Belt conveyor; 12-D-328

13-BC-42; Belt conveyor; 12-D-328

13-BC-26; Belt conveyor; 12-D-328/13-D-20

13-BC-320; Belt conveyor; 13-D-20

12-W-215; Feeder; 12-D-324

12-F-210; Feeder; 12-D-324

12-SCN-306; Screen; 12-D-324

(b) ID C275A is a fabric collector that is referenced above as 12-D-324 and shall control the air contaminant emissions from the sources, as specified above.

(c) ID C275B is a fabric collector that is referenced above as 12-D-328 and shall control the air contaminant emissions from the sources, as specified above.

**SECTION D. Source Level Requirements**

(d) ID C275C is a fabric collector that is referenced above as 12-D-20 and shall control the air contaminant emissions from the sources, as specified above.

(e) ID C409 is a fabric collector that is referenced above as 305-PDC-500 and shall control the air contaminant emissions from the sources, as specified above.

**# 025 [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 P275 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.

12-CR-214, Secondary crusher  
 12-S-204, Silo  
 12-S-206, Silo  
 12-S-208, Silo  
 12-SCN-202, Screen  
 12-BC-108, Belt conveyor  
 12-BC-212, Belt conveyor  
 12-BC-216, Belt conveyor  
 12-BC-218, Belt conveyor  
 12-BC-302, Belt conveyor  
 12-SCN-304, 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  
 12-SCN-306, Screen

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



**SECTION D. Source Level Requirements**

Source ID: P304

Source Name: DEACTIVATED PREMIXER/LIME HYDRATOR [PG]

Source Capacity/Throughput:

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

(a) The sources associated with Source ID P304, as of December 5, 2007, have been deactivated and included in the maintenance plan dated November 26, 2008.

(b) The permittee shall satisfy the requirement in paragraph (b)(i) of this condition, in order to comply with the applicable requirements at 25 Pa. Code Section 127.11a, (relating to reactivation of sources), if Source ID P304 is reactivated prior to or on December 5, 2017.

(i) Pursuant to 25 Pa. Code Section 127.11a(b), the proposed reactivated source(s) will not be considered new source(s) if the permittee obtains a plan approval prior to reactivation, which requires the source(s) meet the best available technology requirements as of the issuance date of the plan approval for the reactivated source(s), as determined by the Department.

(c) For the deactivated sources, or source, specified in (a) that have been out of operation or production for more than 10 years, the proposed reactivated source(s) will be defined as new source(s) and shall meet the applicable requirements of Chapter 127 prior to reactivation, in accordance with 25 Pa. Code Section 127.11a(c).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall keep records that demonstrate conformance with the work practice 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.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.11a(a)(4)]

The permittee shall comply with the terms and conditions of the maintenance plan while Source ID P304 is deactivated.

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

(a) Source ID P304 consists of a Salem-Brosius KN188S lime hydrator (410-HYD-6647) and premixer (410-MIX-6613) that are located at the Pleasant Gap plant.

(b) ID C304 Marblehead Lime Company wet fan/cyclone scrubber

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

**SECTION D. Source Level Requirements**

Source ID: P305

Source Name: DEACTIVATED FEEDER (410-BEF-6623) [PG]

Source Capacity/Throughput:

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

(a) Source ID P305, as of December 5, 2007, has been deactivated and included in the maintenance plan dated November 26, 2008.

(b) The permittee shall satisfy the requirement in paragraph (b)(i) of this condition, in order to comply with the applicable requirements at 25 Pa. Code Section 127.11a, (relating to reactivation of sources), if Source ID P305 is reactivated prior to or on December 5, 2017.

(i) Pursuant to 25 Pa. Code Section 127.11a(b), the proposed reactivated source will not be considered a new source if the permittee obtains a plan approval prior to reactivation, which requires the source meet the best available technology requirements as of the issuance date of the plan approval for the reactivated source, as determined by the Department.

(c) If the deactivated source specified in (a) has been out of operation or production for more than 10 years, the proposed reactivated source will be defined as a new source and shall meet the applicable requirements of Chapter 127 prior to reactivation, in accordance with 25 Pa. Code Section 127.11a(c).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall keep records that demonstrate conformance with the work practice 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.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 127.11a(a)(4)]

The permittee shall comply with the terms and conditions of the maintenance plan while Source ID P305 is deactivated.

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

Source ID P305 is a belt feeder, 410-BEF-6623.



**SECTION D. Source Level Requirements**

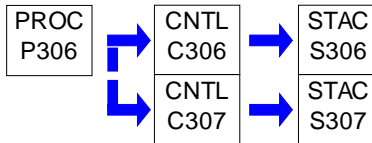
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P306

Source Name: PEBBLE LIME HANDLING AND SCREENING [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: INSTALL PD  
LIME**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The total of PM-10 emissions from the handling of pebble lime brought from off-site to the Pleasant Gap plant shall not exceed 0.6 tons in any 12 consecutive month period.

**# 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 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]

**# 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 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]

**# 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 S306 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 P306 in a manner such that the opacity of the emission at S307 exceeds five percent based on any 6-minute average, block.

**Operation Hours Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Some sources of Source ID P306 have been deactivated and included in the maintenance plan dated August 11, 2009. The deactivated sources, as of August 12 2008, covered under the maintenance plan consist of the following that are located at the Pleasant Gap plant:

345-SCC-6587, Screw conveyor

345-SCC-6457, Screw conveyor

345-SCC-6585, Screw conveyor

**SECTION D. Source Level Requirements**

345-SCC-6583, Screw conveyor  
 345-SCC-6591, Screw conveyor  
 345-SCC-6453, Screw conveyor  
 345-SCC-6455, Screw conveyor  
 345-SCC-6607, Screw conveyor  
 345-SCC-6603, Screw conveyor  
 345-ELE-6564, Elevator  
 345-ELE-6566, Elevator  
 345-ELE-6568, Elevator  
 2 of 4 Pebble Loadout Spouts  
 345-SIL-6690, Silo  
 345-SIL-6691, Silo  
 345-SIL-6692, Silo  
 345-SIL-6693, Silo

(b) The permittee shall satisfy the requirement in paragraph (b)(i) of this condition in order to comply with the applicable requirements at 25 Pa. Code Section 127.11a, (relating to reactivation of sources), if the deactivated sources, or source are reactivated prior to or on August 12 2018.

(i) Pursuant to 25 Pa. Code Section 127.11a(b), the proposed reactivated source(s) will not be considered new source(s) if the permittee obtains a plan approval prior to reactivation, which requires the source(s) meet the best available technology requirements as of the issuance date of the plan approval for the reactivated source(s), as determined by the Department.

(c) For the deactivated sources, or source, specified in (a) that have been out of operation or production for more than 10 years, the proposed reactivated source(s) will be defined as new source(s) and shall meet the applicable requirements of Chapter 127 prior to reactivation, in accordance with 25 Pa. Code Section 127.11a(c).

**Throughput Restriction(s).**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall not transport into the Pleasant Gap plant more than 700 tons of pebble lime in any 12 consecutive month period.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The only lime that shall be transported into the Pleasant Gap plant shall be pebble lime, which has been screened to 20 x 5 mm and fines removed.

**II. TESTING REQUIREMENTS.**

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

(a) While Source ID P306 is in operation, the permittee shall conduct 30-minute testing for determining compliance with the applicable opacity restrictions, based on Test Method 9 of Appendix A-4 to Part 60 of Title 40 of the Code of Federal Regulation. The testing shall be conducted on each fabric collector (C306 and C307) at least once in any calendar month, except for as provided below in paragraph (b) of this condition.

(b) For any fabric collector, if six consecutive monthly tests are conducted which demonstrate compliance with the applicable opacity restrictions; the frequency of testing may be reduced to semi-annually. If one semi-annual test is conducted which demonstrates compliance with the applicable opacity restrictions, the frequency of testing may be reduced to annually. If any test is conducted which demonstrates non-compliance with any of the applicable opacity restrictions, the frequency of testing shall revert to monthly and that frequency shall be maintained until six consecutive monthly tests which show compliance with the applicable opacity restrictions are completed, then the frequency of testing may be changed in accordance with this paragraph.

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall operate instrumentation that continuously monitors the differential pressure of each fabric collector (C306 and C307).

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

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

While Source ID P306 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each fabric collector stack (S306 and S307) 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.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of the monthly PM-10 emission calculations for the handling of pebble lime that is transported to the Pleasant Gap plant and the total of PM-10 emissions from the handling of pebble lime that is transported to the Pleasant Gap plant based on a rolling 12-month period, in order to demonstrate compliance with the emission restriction of total PM-10 emissions.

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

The permittee shall keep records of the monthly weight of lime transported into the Pleasant Gap plant and the total weight of lime transported into the Pleasant Gap plant based on a rolling 12-month period, in order to demonstrate compliance with the throughput restriction of pebble lime that is transported to Pleasant Gap plant. In addition, the permittee shall keep records certifying the lime transported into the Pleasant Gap plant is pebble lime which has been screened to remove fines and sized to 20 x 5 mm.

**# 014 [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 P306 is in operation, the permittee shall record the differential pressure of each fabric collector (C306 and C307) 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.

**# 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, in a logbook or electronically, that demonstrate conformance with the permit condition that requires performance of daily inspections of each fabric collector stack (S306 and S307), 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.

**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.**

**# 016 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P306 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:

345-SIL-011; Silo; 345-PDC-6720  
 345-SIL-012; Silo; 345-PDC-6720  
 345-SIL-021; Silo; 345-PDC-6720  
 345-SIL-022; Silo; 345-PDC-6720  
 345-SIL-6689; Silo; 345-PDC-6720  
 345-SIL-003; Silo; 345-PDC-6720  
 345-SIL-004; Silo; 345-PDC-6711  
 345-SIL-005; Silo; 345-PDC-6711  
 345-SIL-006; Silo; 345-PDC-6711  
 345-SIL-007; Silo; 345-PDC-6711  
 345-SIL-008; Silo; 345-PDC-6711  
 345-SIL-009; Silo; 345-PDC-6711  
 345-BEC-6224; Belt conveyor  
 345-BEC-6223; Belt conveyor; 345-PDC-6720  
 2 of 4 Pebble Load-out Spouts

(b) ID C306 is a fabric collector that is referenced above as 345-PDC-6720 and shall control the air contaminant emissions from the sources, as specified above.

(c) ID C307 is a fabric collector that is referenced above as 345-PDC-6711 and shall control the air contaminant emissions from the sources, as specified above.

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



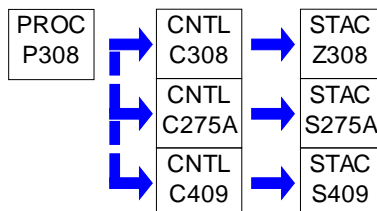
**SECTION D. Source Level Requirements**

Source ID: P308

Source Name: LIMESTONE SCREENING [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: STONE  
WATER CONTROL

**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. [Compliance with this permit condition assures compliance with the applicable opacity limit as specified in 40 CFR Section 60.672]

**# 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. [Compliance with this permit condition assures compliance with the applicable opacity limit as specified in 40 CFR Section 60.672]

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

[Additional authority for this permit condition is also derived from 40 CFR Sections 60.672, 60.675 and 64.6]

(a) Within 120 days of the issuance date of this Title V operating permit, the permittee shall conduct stack testing on the ID C275A fabric collector, based on EPA Reference Test Method(s), while the sources which are controlled by the fabric collector are operating at maximum routine operating conditions, to verify compliance with the emission restriction and

**SECTION D. Source Level Requirements**

ensure the applicable requirements in 40 CFR Sections 64.3 and 64.4 are satisfied. Additionally, the permittee shall continuously monitor and record the differential pressure of the fabric collector during the stack testing.

(b) The stack testing shall be conducted under conditions representative of maximum emissions potential under anticipated process and control device operating conditions. The differential pressure data recorded during the stack testing program may be supplemented by engineering assessments and manufacturer's recommendations to justify the performance of the CAM indicator range or, if applicable, the procedures for establishing new CAM indicator ranges.

**# 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]

While Source ID P308 is in operation, the permittee shall conduct 30-minute testing for determining compliance with the applicable opacity restrictions, based on Test Method 9 of Appendix A-4 to Part 60 of Title 40 of the Code of Federal Regulation. The testing shall be conducted on each fabric collector (C275A and C409) at least once in any calendar quarter. [Where applicable, compliance with this permit condition will assure compliance with the provision that requires quarterly performance of 30-minute visible emission observations, as specified in 40 CFR Section 60.674(c)]

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

(a) The permittee shall operate instrumentation that continuously monitors the differential pressure of the ID C275A fabric collector, to verify the differential pressure is within the CAM indicator range.

(b) The accuracy of the differential pressure monitoring instrumentation equipped on ID C275A shall be  $\pm 10\%$  of the minimum of the CAM indicator (lower end of the range) or  $\pm 0.1$  inches of water, whichever is greater.

(c) The resolution of the differential pressure monitoring instrumentation equipped on ID C275A shall be at least down to the tenths in units of inches of water.

(d) The proposed CAM indicator range in the CAM plan submitted on May 12, 2014, for the ID C275A fabric collector is specified below.

(1) ID C275A CAM indicator range: 2.0 - 10.0 inches of water. One daily record of the differential pressure outside of the CAM indicator range is defined as an excursion.

**# 008 [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 C409 fabric collector.

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

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

While Source ID P308 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each fabric collector stack (S275A and S409) 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.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

While Source ID P308 is in operation, the permittee shall record the differential pressure of the ID C275A fabric collector.

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

**SECTION D. Source Level Requirements**

time of each record, source operating conditions as existing at the time of each record and initials of plant personnel. The permittee shall also record all excursions, as defined herein, including description and timing of any corrective action(s) that were taken to restore normal operation.

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

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

The permittee shall record all inspections, repair and maintenance performed on the ID C275A fabric collector and the differential pressure monitoring instrumentation equipped on the ID C275A fabric collector, including inventory of necessary parts for routine repairs of the fabric collector and its instrumentation.

**# 012 [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 P308 is in operation, the permittee shall record the differential pressure of the ID C409 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.

**# 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, in a logbook or electronically, that demonstrate conformance with the permit condition that requires performance of daily inspections of each fabric collector stack (S275A and S409), 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) and/or Section E (Source Group Restrictions).

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

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

Upon detection of an excursion, the permittee shall restore normal operation of the source(s) and the ID C275A fabric collector back to normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

**# 015 [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 maintain the differential pressure monitoring instrumentation for each fabric collector (C275A and C409) according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.

**SECTION D. Source Level Requirements**

- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

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

The provisions specified under 40 CFR Section 64.8 apply to the sources controlled by the ID C275A fabric collector if the Department determines a quality improvement plan as outlined in 40 CFR Section 64.8(a) is required.

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

The permittee shall promptly notify the Department if the need for improved monitoring is discovered, as outlined 40 CFR Section 64.7(e).

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

The sources associated Source ID P308 which are controlled by the ID C275A fabric collector are subject to the requirement at 40 CFR Part 64, relating to Compliance Assurance Monitoring (CAM). The permittee shall comply with all of the applicable provisions pertaining to Source ID P308, as specified in 40 CFR Section 64.1 through 64.10.

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

The provisions specified under 40 CFR Section 64.8 apply if implementation of a quality improvement plan (QIP) is required. Pursuant to 40 CFR Section 64.8(a), the implementation of a QIP is required if six excursions occur in any semi-annual reporting period.

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

(a) Source ID P308 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:

12-BC-334; Belt conveyor; 305-PDC-500  
 12-STC-334; Radial stacker; Wet Suppression/Drop height  
 Pulverized Stone Pile; Stone pile; Wet Suppression/Water Carryover  
 12-VIF-336; Vibratory Feeder  
 12-BEC-338; Belt conveyor; 305-PDC-500  
 12-BC-332; Belt conveyor; 12-DUC-324/305-PDC-500

(b) ID C275A is a fabric collector that is referenced above as 12-DUC-324 and shall control the air contaminant emissions from the sources, as specified above.

(c) ID C409 is a fabric collector that is referenced above as 305-PDC-500 and shall control the air contaminant emissions from the sources, as specified above.

(d) ID C308 is a wet suppression system and shall control the air contaminant emissions from the sources, as specified above.

**# 021 [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 P308 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.

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



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12-BC-332, Belt conveyor

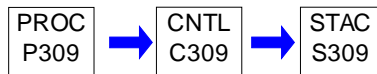
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P309

Source Name: PULVERIZED LIME PRODUCTION [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: INSTALL PD  
LIME**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.

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

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

(a) While Source ID P309 is in operation, the permittee shall conduct 30-minute testing for determining compliance with the applicable opacity restrictions, based on Test Method 9 of Appendix A-4 to Part 60 of Title 40 of the Code of Federal Regulation. The testing shall be conducted on the ID C309 fabric collector at least once in any calendar month, except for as provided below in paragraph (b) of this condition.

(b) If six consecutive monthly tests are conducted which demonstrate compliance with the applicable opacity restrictions; the frequency of testing may be reduced to semi-annually. If one semi-annual test is conducted which demonstrates compliance with the applicable opacity restrictions, the frequency of testing may be reduced to annually. If any test is conducted which demonstrates non-compliance with any of the applicable opacity restrictions, the frequency of testing shall revert to monthly and that frequency shall be maintained until six consecutive monthly tests which show compliance with the applicable opacity restrictions are completed, then the frequency of testing may be changed in accordance with this paragraph.

**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 the ID C309 fabric collector.

**# 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 P309 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of the fabric collector stack (S309) for a period of 1 minute, at least, to detect for the presence of visible

**SECTION D. Source Level Requirements**

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.****# 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 P309 is in operation, the permittee shall record the differential pressure of the ID C309 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.

**# 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 the fabric collector stack (S309), 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) and/or Section E (Source Group Restrictions).

**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.

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

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

The permittee shall maintain the differential pressure monitoring instrumentation for the ID C309 fabric collector according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

(1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.

(2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.

(3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.

(4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Source ID P309 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:

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

505-SIL-120; Silo; 505-PDC-6208

Old Source ID P303; Pulverizer Separators; 505-PDC-6208

(b) ID C309 is a fabric collector that is referenced above as 505-PDC-6208 and shall control the air contaminant emissions from the sources, as specified above.

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

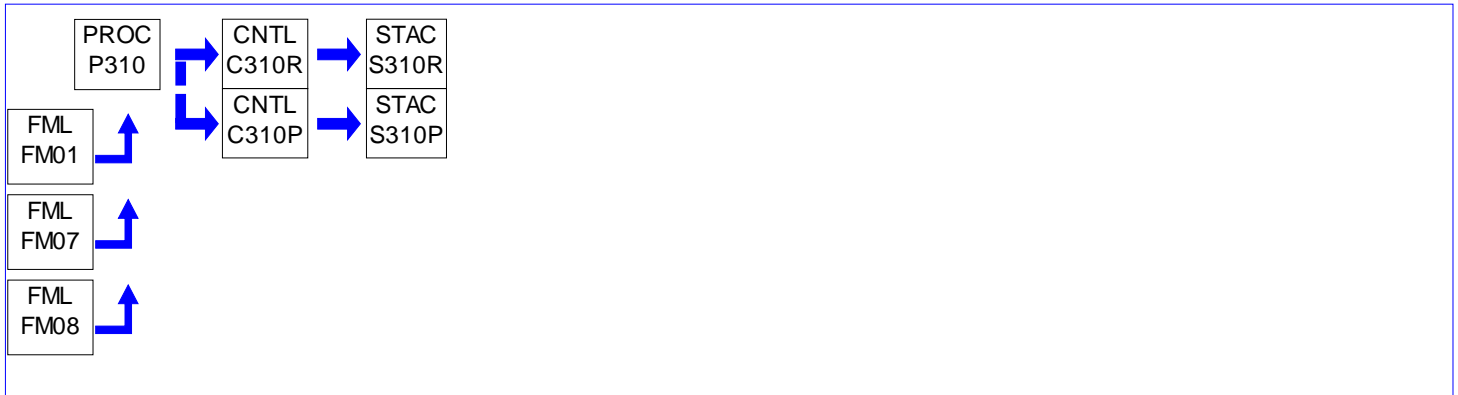


**SECTION D. Source Level Requirements**

Source ID: P310

Source Name: PULVERIZED LIMESTONE SYSTEM [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SO2 PAL PERMIT  
STONE**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 SO<sub>2</sub>, 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 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]

**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, the NO<sub>x</sub> 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.

**Fuel Restriction(s).****# 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, 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.

**# 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 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.****# 010 [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 P310 is in operation, the permittee shall conduct 30-minute testing for determining compliance with the opacity restriction as specified under restrictions, based on Test Method 9 of Appendix A-4 to Part 60 of Title 40 of the Code of Federal Regulation. The testing shall be conducted on each fabric collector (C310P and R) at least once in any calendar quarter.

[Where applicable, compliance with this permit condition will assure compliance with the provision that requires quarterly performance of 30-minute visible emission observations, as specified in 40 CFR Section 60.674(c)]

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

(a) The permittee shall operate instrumentation that continuously monitors the differential pressure of each fabric collector (C310P and R), to verify the differential pressure is within the CAM indicator range.

(b) The accuracy of the differential pressure monitoring instrumentation equipped on each fabric collector (C310P and R) shall be  $\pm 10\%$  of the minimum of the CAM indicator (lower end of the range) or  $\pm 0.1$  inches of water, whichever is greater.

(c) The resolution of the differential pressure monitoring instrumentation equipped on each fabric collector (C310P and R) shall be at least down to the tenths in units of inches of water.

(d) The proposed CAM indicator range in the CAM plan submitted on May 12, 2014, for each fabric collector is specified below.

(1) ID C310P CAM indicator range: 2.0 - 10.0 inches of water. One daily record of the differential pressure outside of the CAM indicator range is defined as an excursion.

(1) ID C310R CAM indicator range: minimum 2.0 inches of water or greater. One daily record of the differential pressure outside of the CAM indicator range is defined as an excursion.

**# 012 [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 P310 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a

**SECTION D. Source Level Requirements**

visual observation of each fabric collector stack (S310P and R) 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.****# 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.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

While Source ID P310 is in operation, the permittee shall record the differential pressure of each fabric collector (C310P and R). The differential pressure shall be recorded once in any calendar day, at least, unless the source was not in operation during the entire calendar day. The records shall also include the date and time of each record. The permittee shall also record all excursions, as defined herein, including description and timing of any corrective action(s) that were taken to restore normal operation.

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

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

The permittee shall record all inspections, repair and maintenance performed on each fabric collector (C310P and R) and the differential pressure monitoring instrumentation equipped on the fabric collectors, including inventory of necessary parts for routine repairs of the fabric collector and its instrumentation.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.100]

The permittee shall keep records of all maintenance performed on the Source ID P310 rotary dryer and its burner, including a copy of the manufacturer's maintenance specifications, to demonstrate that the combustion source is installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

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

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

The permittee shall 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 (S310P and R), 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) and/or Section E (Source Group Restrictions).

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

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

Upon detection of an excursion, the permittee shall restore normal operation of the source(s) and the ID C310P fabric collector back to normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

**# 019 [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 maintain the differential pressure monitoring instrumentation for each fabric collector (C310P and R) according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.
- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

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

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

Upon detection of an excursion, the permittee shall restore normal operation of the source(s) and the ID C310R fabric collector back to normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.97]

Pursuant to the best available technology provisions in 25 Pa. Code Sections 127.1 and 127.12, the permittee shall install, maintain and operate the Source ID P310 rotary dryer and its burner in accordance with the manufacturer's specifications and with good combustion and maintenance practices.

**# 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 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 frequency to prevent particulate matter from becoming airborne.

**VII. ADDITIONAL REQUIREMENTS.****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Source ID P310 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:  
535-LSP-222; Loading Spout; 535-PDC-250  
535-SIL-222; Silo; 535-PDC-250

**SECTION D. Source Level Requirements**

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-BEF-002; Belt Feeder  
 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

(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 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 C310R is a, IAC model MAC 120-LST-144, fabric collector that is referenced above as 535-PDC-118 and shall control the air contaminant emissions from the sources, as specified above.

**# 024 [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.

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

The provisions specified under 40 CFR Section 64.8 apply if implementation of a quality improvement plan (QIP) is required. Pursuant to 40 CFR Section 64.8(a), the implementation of a QIP is required if six excursions occur in any semi-annual reporting period.

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

The permittee shall promptly notify the Department if the need for improved monitoring is discovered, as outlined 40 CFR Section 64.7(e).

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

(a) The sources associated with Source ID P310 which are controlled by the ID C310P fabric collector are subject to the requirement at 40 CFR Part 64, relating to Compliance Assurance Monitoring (CAM). The permittee shall comply with all of the applicable provisions pertaining to Source ID P310, as specified in 40 CFR Section 64.1 through 64.10.

(b) The source associated with Source ID P310 which is controlled by the ID C310R fabric collector is subject to the requirement at 40 CFR Part 64, relating to Compliance Assurance Monitoring (CAM). The permittee shall comply with all of

**SECTION D. Source Level Requirements**

the applicable provisions pertaining to Source ID P310, as specified in 40 CFR Section 64.1 through 64.10.

**# 028 [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.

**# 029 [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.

**# 030 [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.

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

In addition to those herein, the other permit conditions and terms as applicable to Source ID P310 are specified in Plan Approval 14-00002S. These will be addressed and/or incorporated into TVOP 14-00002 at a later time during the pending Title V operating permit renewal process.

**# 032 [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

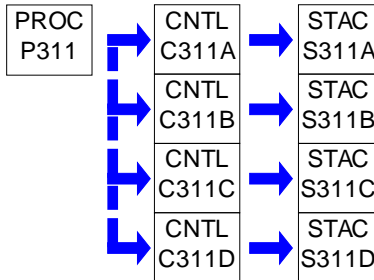
\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

Source ID: P311

Source Name: CLASSIC HYDRATE 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 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.

**# 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 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]

**# 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 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]

**# 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 S311B 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 P311 in a manner such that the opacity of the emission at S311C 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 P311 in a manner such that the opacity of the emission at S311D exceeds five percent, based on any 6-minute average, block.

**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 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]

**# 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 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]

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

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

While Source ID P311 is in operation, the permittee shall conduct 30-minute testing for determining compliance with the applicable opacity restrictions, based on Test Method 9 of Appendix A-4 to Part 60 of Title 40 of the Code of Federal Regulation. The testing shall be conducted on each fabric collector (C311A, C311B, C311C, and C311D) at least once in any calendar quarter.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

(a) The permittee shall operate instrumentation that continuously monitors the differential pressure of the ID C311A fabric collector, to verify the differential pressure is within the CAM indicator range.

(b) The accuracy of the differential pressure monitoring instrumentation equipped on ID C311A shall be  $\pm 10\%$  of the minimum of the CAM indicator.

(c) The resolution of the differential pressure monitoring instrumentation equipped on ID C311A shall be at least down to the hundredths in units of kilopascal.

(d) The proposed CAM indicator range in the CAM plan submitted on May 12, 2014, for the ID C311A fabric collector is specified below.

(1) ID C311A CAM indicator range: minimum of 0.1 kilopascal. One daily record of the differential pressure outside of the CAM indicator range is defined as an excursion.

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

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

The permittee shall operate instrumentation that continuously monitors the differential pressure of each fabric collector (C311B, C311C, and C311D).

**# 012 [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 P311 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each fabric collector stack (S311A, S311B, S311C, and S311D) 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



**SECTION D. Source Level Requirements**

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

(a) While the lime hydrator associated with Source ID P311 is in operation, the permittee shall record the differential pressure of the ID C311A fabric collector. The differential pressure shall be recorded once in any calendar day, at least, unless the source was not in operation during the entire calendar day. The records shall also include the date and time of each record. The permittee shall also record all excursions, as defined herein, including description and timing of any corrective action(s) that were taken to restore normal operation.

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

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

The permittee shall record all inspections, repair and maintenance performed on the ID C311A fabric collector and the differential pressure monitoring instrumentation equipped on the ID C311A fabric collector, including inventory of necessary parts for routine repairs of the fabric collector and its instrumentation.

**# 015 [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 P311 is in operation, the permittee shall record the differential pressure of each fabric collector (C311B, C311C, and C311D) 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.

**# 016 [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 (S311A, S311B, S311C, and S311D), 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.

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

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

The permittee shall keep records, in a logbook or electronically, that demonstrate conformance with the permit condition that requires EPA Reference Test Method 9 testing on each fabric collector (C311A, C311B, C311C, and C311D) as specified under testing requirements, including the date and time, the operating conditions and description of the visual background as existing at the time of each test, the results of the testing, and the initials of plant personnel that conducted the testing.

**# 018 [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.

**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.****# 019 [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 maintain the differential pressure monitoring instrumentation for each fabric collector (C311A, C311B, C311C, and C311D) according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.
- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

**# 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, volume displaced during the loading of trucks shall be returned to hydrated lime storage bin, 410-SIL-412, via a truck blow off pipe.

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

The permittee shall maintain a minimum pressure drop of at least 1.5" of w.g. across each of the ID C311B, C311C and C311D fabric collectors.

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

The permittee shall inspect each of the ID C311B, C311C and C311D fabric collectors 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 or if the pressure drop falls below 1.5" of w.g. In addition, maintenance on each fabric collector shall be performed as necessary.

**# 023 [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.

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

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

Upon detection of an excursion, the permittee shall restore normal operation of the source(s) and the ID C311A fabric collector back to normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion. Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range.

**VII. ADDITIONAL REQUIREMENTS.****# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The provisions specified under 40 CFR Section 64.8 apply if implementation of a quality improvement plan (QIP) is required.

**SECTION D. Source Level Requirements**

Pursuant to 40 CFR Section 64.8(a), the implementation of a QIP is required if six excursions occur in any semi-annual reporting period.

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

The permittee shall promptly notify the Department if the need for improved monitoring is discovered, as outlined 40 CFR Section 64.7(e).

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

The lime hydrator associated with Source ID P311A which is controlled by the ID C311A fabric collector is subject to the requirement at 40 CFR Part 64, relating to Compliance Assurance Monitoring (CAM). The permittee shall comply with all of the applicable provisions pertaining to the lime hydrator of Source ID P310, as specified in 40 CFR Section 64.1 through 64.10.

**# 028 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Source ID P311 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:

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  
 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

**SECTION D. Source Level Requirements**

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; Silo; 410-PDC-430  
 405-SIL-410; Silo; 410-PDC-430

(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.

**# 029 [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.

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

The air compressor(s) supplying air to the ID C311A, C311B, C311C and C311D 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.

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

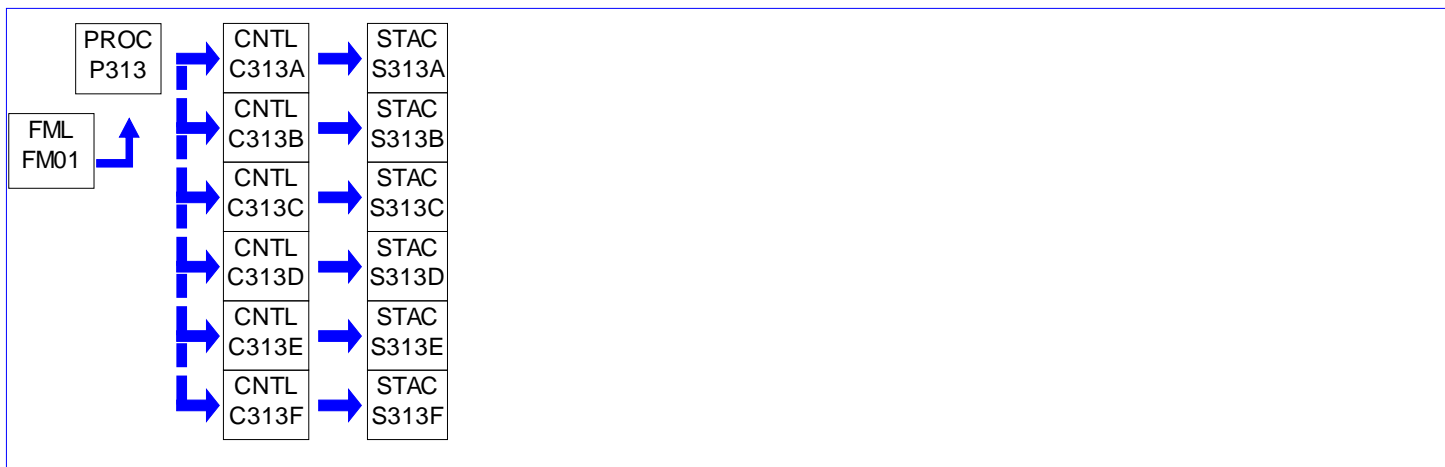
**SECTION D. Source Level Requirements**

Source ID: P313

Source Name: ENHANCED HYDRATE SYSTEM

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SO2 PAL PERMIT

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

In addition to those herein, the other permit terms and conditions as applicable to Source ID P313 are specified within Plan

**SECTION D. Source Level Requirements**

Approvals 14-00002R&S. As noted within section C herein, these will be addressed and/or incorporated into TVOP 14-00002 at a later time as part of the pending Title V operating permit renewal process.

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

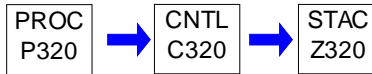
**SECTION D. Source Level Requirements**

Source ID: P320

Source Name: CAL-AG SYSTEM [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: WATER CONTROL

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 001 [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.****# 002 [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.

**# 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]  
(a) Source ID P320 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**

Grizzly Feed Hopper; Hopper; Wet Suppression  
Hammer Mill Shredder; Hammermill; Water Carryover  
48" Belt; Belt conveyor; Water Carryover  
Double Deck Screen; Screen; Water Carryover  
30" Belt; Belt conveyor; Water Carryover  
Radial Stacker Belt; Radial stacker; Water Carryover  
Product Pile; Pile; Wet Suppression  
24" Reject Belt; Belt conveyor; Wet Suppression  
Reject Pile; Pile; Wet Suppression

(b) 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 nozzle locations as listed above as "wet suppression" may be removed without prior Department approval.

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



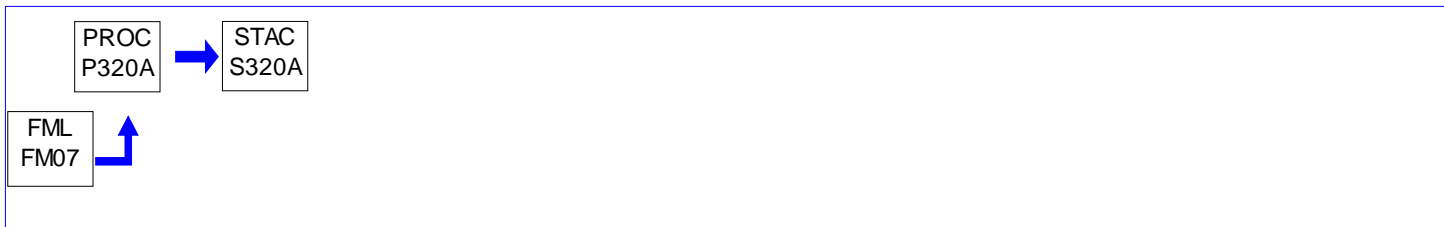
**SECTION D. Source Level Requirements**

Source ID: P320A

Source Name: 136 HP DIESEL GENERATOR [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SO2 PAL PERMIT

**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 P320A in a manner such that the concentration of particulate matter exceeds 0.04 grain per dry standard cubic foot in the exhaust of the generator-engine (S320A).

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P320A in a manner such that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, exceeds 500 parts per million by volume, on a dry basis, in the exhaust of the generator-engine (S320A).

**# 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]

(a) Source ID P320A shall not emit nitrogen oxides (NO<sub>x</sub>) in excess of 1.83 pounds per hour and 3.66 tons in any 12 consecutive month period.

(b) Source ID P320A shall not emit volatile organic compounds (VOC) in excess of 0.15 pounds per hour and 0.30 tons in any 12 consecutive month period.

(c) Source ID P320A shall not emit carbon monoxide (CO) in excess of 0.24 pounds per hour and 0.48 tons in any 12 consecutive month period.

**# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 100 horsepower?**

(a) No person may permit the emission into the outdoor atmosphere of carbon monoxide from Source ID P320A in a manner such that the concentration of carbon monoxide exceeds 230 ppmvd, corrected to 15% oxygen, in the exhaust of the generator-engine (S320A).

[Authority for paragraph (b) of this condition is derived from the applicable requirement at 40 CFR Section 63.6625(h)]

(b) The permittee shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup

**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6605]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my general requirements for complying with this subpart?**

**SECTION D. Source Level Requirements**

The permittee shall comply with the applicable general requirements pertaining to Source ID P320A, as specified in 40 CFR Section 63.6605.

**Operation Hours Restriction(s).**

**# 006 [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]

Source ID P320A shall not be operated in excess of 4,000 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.100]

The permittee shall keep records to demonstrate that the internal combustion engine associated with Source ID P320A is installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

**# 008 [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]

(1) The permittee shall maintain records of the following:

- (a) The number of hours that Source ID P320A operated each month and each rolling 12-month period using the non-resettable hour meter equipped on the generator engine to demonstrate compliance with operation hours restriction; and
- (b) Supporting documentation for demonstrating compliance with the emission restrictions.

**V. REPORTING REQUIREMENTS.**

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What reports must I submit and when?**

The permittee shall comply with the applicable reporting provisions pertaining to Source ID P320A, as specified in 40 CFR Section 63.6650.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.97]

The permittee shall install, maintain and operate the internal combustion engine associated with Source ID P320A in

**SECTION D. Source Level Requirements**

accordance with the manufacturer's specifications and with good operating practices.

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

At all times, the permittee shall operate and maintain Source ID P320A, including any monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

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

Source ID P320A is a Cummins model 6BT5.9-C135 diesel fired 136 brake horsepower per hour engine located at the Pleasant Gap plant.

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

Source ID P320A is subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines as codified in 40 CFR Part 63 Subpart ZZZZ. The permittee shall comply with the applicable requirements pertaining to Source ID P320A, as specified in 40 CFR Sections 63.6580 through 63.6675.

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

In addition to those herein, the other permit conditions and terms as applicable to Source ID P320A are specified in Plan Approval 14-00002S. As noted within section C herein, these will be addressed and/or incorporated into TVOP 14-00002 at a later time as part of the pending Title V operating permit renewal process.

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

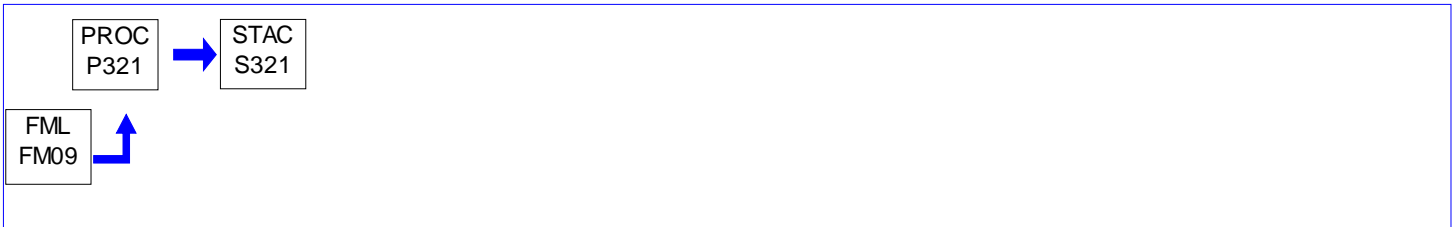
**SECTION D. Source Level Requirements**

Source ID: P321

Source Name: MISCELLANEOUS EMERGENCY GENERATORS [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SO2 PAL PERMIT

**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 SO<sub>2</sub>, 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 IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you 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 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.

**SECTION D. Source Level Requirements**

(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 operate a non-resettable hour meter on each of the emergency engines associated with Source ID P321, to continuously monitor engine hours of operation.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.100]

The permittee shall keep records to demonstrate that each of the internal combustion engines associated with Source ID P321 is installed, maintained and operated in accordance with the manufacturer's specifications and with good operating practices.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.97]

The permittee shall install, maintain and operate each of the internal combustion engines associated with Source ID P321 in accordance with the manufacturer's specifications and with good operating practices.

**VII. ADDITIONAL REQUIREMENTS.****# 009 [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 (Kiln 6 auxiliary drive);
- (ii) Deutz Model BF6L914C, rated at 158 HP (Kiln 7 auxiliary drive);
- (iii) Caterpillar Model 3406TA, rated at 475 HP (Kiln 7 Waste Heat Boiler/Powerhouse Generator); and
- (iv) Generac Generator engine rated at 200 HP.

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

In addition to those herein, the other permit conditions and terms as applicable to Sources ID P321 are specified in Plan Approval 14-00002S. As noted within section C herein, these will be addressed and/or incorporated into TVOP 14-00002 at a later time as part of the pending Title V operating permit renewal process.

**# 011 [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 Source ID P321, as specified in 40 CFR Sections 60.4200 through 60.4219.

**# 012 [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?**

Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that is new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

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

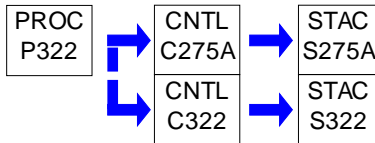
**SECTION D. Source Level Requirements**

Source ID: P322

Source Name: MINE OPTIMIZATION SYSTEM [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: STONE  
WATER CONTROL

**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 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 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 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]

**# 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 S275A exceeds five percent based on any 6-minute average, block.

**II. TESTING 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]

While Source ID P322 is in operation, the permittee shall conduct 30-minute testing for determining compliance with the applicable opacity restrictions, based on Test Method 9 of Appendix A-4 to Part 60 of Title 40 of the Code of Federal

**SECTION D. Source Level Requirements**

Regulation. The testing shall be conducted on each fabric collector (C275A and C322) at least once in any calendar quarter. [Compliance with this permit condition will assure compliance with the provision that requires quarterly performance of 30-minute visible emission observations, as specified in 40 CFR Section 60.674(c)]

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1, 127.12, and 127.511]

The permittee shall operate instrumentation that continuously monitors the differential pressure of the ID C322 fabric collector.

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

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

While Source ID P322 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each dust collection point, the transfer points associated with 235-BEC-122 and 235-BEC-124, and each fabric collector stack (C275A and C322) 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.****# 009 [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 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.

**# 010 [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 P322 is in operation, the permittee shall record the differential pressure of the ID C322 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.

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

The permittee shall keep records of the supporting calculations for PM, PM10, and PM2.5 emissions on a monthly basis and shall verify compliance with the PM, PM10, and PM2.5 emission limitations for ID C322 associated with Source ID P322 in any 12 consecutive month period.

**# 012 [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 dust collection point, the transfer points associated with 235-BEC-122 and 235-BEC-124, and each fabric collector stack (C275A and C322), 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



**SECTION D. Source Level Requirements**

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) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.****# 013 [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 use 16 weight (ounces per square yard) polyester bags, or other bags as approved by the Department that offer equivalent or better control than the 16 weight polyester bags in ID C322.

**# 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.

**# 015 [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 maintain the differential pressure monitoring instrumentation for each fabric collector (C275A and C322) according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.
- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

**VII. ADDITIONAL REQUIREMENTS.****# 016 [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

**SECTION D. Source Level Requirements**

235-BEC-136; Belt conveyor; Water Carryover and 235-PDC-144/12-D-324  
 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

(b) ID C322 is a fabric collector, a I.A.C. Model 120TB-BHT-121:S6, that is referenced above as 235-PDC-144 and shall control the air contaminant emissions from the sources, as specified above.

(c) ID C275A is a fabric collector that is referenced above as 12-D-324 and shall control the air contaminant emissions from the belt conveyor 235-BEC-136.

(d) The wet suppression system that is located underground is relied upon for water carryover.

**# 017 [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.

**# 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 not operate conveyor 235-BEC-136 associated with Source ID P322 without the simultaneous operation of the ID C275A. The particulate matter emissions from conveyor 235-BEC-136 associated with Source ID P322 shall be controlled by ID C275A.

**# 019 [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

**SECTION D. Source Level Requirements**

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  
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: P328

Source Name: KILN 8 EMERGENCY GENERATOR

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SO2 PAL PERMIT

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

In addition to those herein, the other permit terms and conditions as applicable to Source ID P328 are specified within Plan Approvals 14-00002N, P & S. As noted within section C herein, these will be addressed and/or incorporated into TVOP 14-00002 at a later time as part of the pending Title V operating permit renewal process.

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

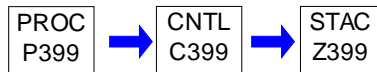
**SECTION D. Source Level Requirements**

Source ID: P399

Source Name: PRIMARY CRUSHING OPERATIONS [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: WATER CONTROL

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

(a) Source ID P399 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:  
 12-HOP-102; Hopper; C399  
 12-CR-106; Primary crusher; C399  
 12-F-104; Feeder; C399

(d) ID C399 is a wet suppression system and shall control the air contaminant emissions from the sources, as specified above.

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

**SECTION D. Source Level Requirements**

Source ID: P403

Source Name: KILN 7 LKD HANDLING [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: INSTALL PD

**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) and/or Section E (Source Group Restrictions).

**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 C403 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 P403 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of the fabric collector stack (S403) 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 P403 is in operation, the permittee shall record the differential pressure of the ID C403 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]

**SECTION D. Source Level Requirements**

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 (S403), 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) 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.**

**# 006 [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

\*TRUCK LOAD OUT1\*; 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.

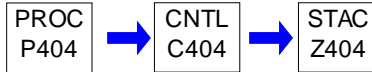
**\*\*\* Permit Shield in Effect. \*\*\***

**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.****# 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 wet suppression system associated with Source ID P404 shall be connected to an on-demand water source that is capable of flowing water to discharge spray nozzles at any time stockpiling or reclamation activities occur except as specified below in paragraph (b) of this permit condition. For purposes of this condition, on-demand means that the ability to supply adequate water to the process involves no more effort than turning a valve.

(b) During periods of operation in which the wet suppression system is not connected to an on-demand water source or otherwise inoperable due to freezing, the work practices including, but may not be limited to, minimize drop height shall be employed during these periods to prevent particulate matter from becoming airborne. No fugitive particulate matter shall be visible at the point the emissions pass outside the permittee's property, according to 25 Pa. Code Section 123.2.

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

Source ID P404 consists of the LKD pile and all stockpiling and reclamation operations associated with the LKD pile.

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

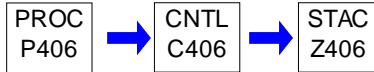


**SECTION D. Source Level Requirements**

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. \*\*\***

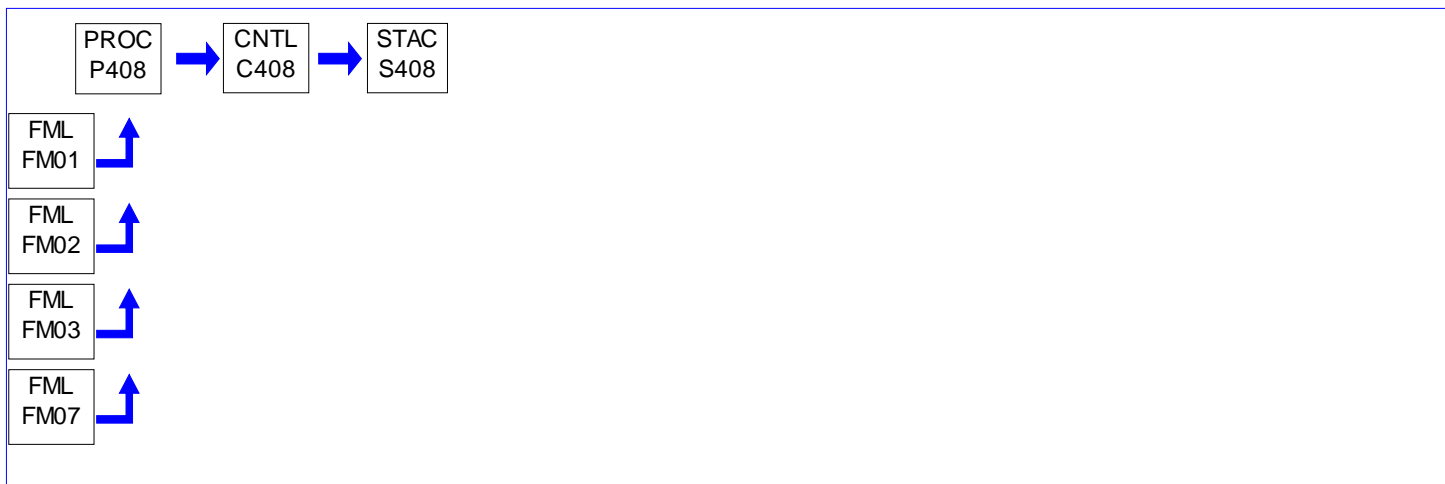
**SECTION D. Source Level Requirements**

Source ID: P408

Source Name: LIME KILN NO. 6 [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SO2 PAL PERMIT

**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 SO<sub>2</sub>, 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.**

[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<sub>x</sub> from Source ID P408 (kiln 6) in such a manner that the hourly NO<sub>x</sub> 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<sub>x</sub> from Source ID P408 (kiln 6) in such a manner that the NO<sub>x</sub> emissions exceed 767 tons per year based on 12-month sum, rolling by 1 month as monitored by a Department-certified CEMS.

**# 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 ammonia emissions from Source ID P408 shall not exceed 21.0 pounds per hour, until a final limit is established. Compliance with the ammonia emission restriction shall be evaluated based upon stack testing done in accordance with the Department Stack Testing Manual, and approved by the Department.

**SECTION D. Source Level Requirements****# 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 hydrogen chloride emissions from Source ID P408 shall not exceed 28.5 pounds per hour, until a final limit is established. Compliance with the hydrogen chloride emission restriction shall be evaluated based upon stack testing done in accordance with the Department Stack Testing Manual, and approved by the Department.

**# 006 [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 P408 shall not exceed the following limitations.

Pollutant	Units	Moist.	DATA		Violation	Standard	Averaging Period	Variable
			%O <sub>2</sub>	Sub				
NO <sub>x</sub>	lbs/hr	NA	NA	Yes	>	205	30-day average, rolling by 1 day	NO
NO <sub>x</sub>	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 <sub>2</sub>	lbs/hr	NA	NA	Yes	>	305.0	3-hour average, block	NO
SO <sub>2</sub>	tons	NA	NA	Yes	>	571	12-month sum, rolling by 1 month	NO

NA is not applicable

**# 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 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 and done in accordance with the Department's Stack Testing Manual, 40 CFR Part 60 Subpart HH, and 40 CFR Part 63 Subpart AAAAA.

[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 and 63.7090]

[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.]

**# 008 [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, until a final limit is established. Compliance with the volatile organic compound emission restriction shall be evaluated based upon stack testing done in accordance with the Department Stack Testing Manual, and approved by the Department.

**# 009 [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%, as measured by the continuous opacity monitor, required herein.

**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

**SECTION D. Source Level Requirements**

which no reclaimed or waste oil or other waste materials have been added.

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

(a) Compliance with the hydrogen chloride, volatile organic compound and ammonia emission restrictions shall be evaluated based upon stack testing approved by the Department and done in accordance with the Department's Stack Testing Manual. Stack testing shall be completed no later than 180 days after the issuance of this renewal Title V Operating authorization (DEP Auth ID: 587685).

(b) The permittee shall perform subsequent stack testing on Source ID P408 for hydrogen chloride, volatile organic compound and ammonia emissions once, at least, in each of the next four (4) calendar years after the completion of the stack testing required above in paragraph (a) of this permit condition.

(c) Final emission limits for hydrogen chloride, volatile organic compound, and ammonia will be established by the Department based on evaluation of the results of the stack testing performed on Source ID P408, and the Department will consider the variability of the results. Final emission limits will be incorporated into the Title V operating permit, and the permittee retains the right to comment on any final emission limit. Any of the VOC, HCl and ammonia emission restrictions may be adjusted upward to a final emission limit only after evaluation and approval of a new plan approval application.

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

(a) The permittee shall comply with the applicable testing requirements pertaining to Source ID P408, as specified in 40 CFR Sections 60.344 and 63.7110 through 63.7114.

(b) Pursuant to 40 CFR Section 63.7111, the permittee shall perform stack testing on Source ID P408 for particulate matter on or before December 11, 2017, in accordance with the Department's Stack Testing Manual and the applicable requirements in 40 CFR Part 63 Subpart AAAAA.

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

[Additional authority for this permit condition is derived from 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)]

(a) All Continuous Emission Monitoring Systems (CEMS) identified in this Permit as CEMS IDs 1842, 1843, 1844, 1845, and 1846 and their components shall be operated and maintained, including calibrated, 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 Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001

(b) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

**III. MONITORING REQUIREMENTS.****# 015 [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]

**SECTION D. Source Level Requirements**

(a) A 30-day rolling average NO<sub>x</sub> 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<sub>x</sub> emission rate for Source ID P408 shall include the NO<sub>x</sub> emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.

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

[Additional authority for this streamlined permit condition is derived from 40 CFR Section 63.7100]

(A) The Continuous Emission Monitoring System (CEMS) ID 1846, Kiln No. 6 COMS, shall be installed, approved by the Department, operated and maintained, including calibrated, 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 "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual (CSM), 274-0300-001. Additionally, the permittee shall ensure that the CEMS ID 1846 is installed, maintained, calibrated, and operated as required by 40 CFR Part 63, Subpart A (related to General Provisions) and according to Performance Specification (PS)-1 of Appendix B to Part 60 of Title 40 of the Code of Federal Regulation.

CEMS ID 1846

a. Source to be Monitored: Source ID P408, Kiln #6

b. Parameter to be Reported: Opacity of Emissions

c. Units of Measurement to be Reported: %

d. Moisture Basis of Measurement to be Reported: NA

e. Correction basis of Measurements to be Reported: NA

f. Data Substitution Required: Yes, Standard PA DEP method from CSM Manual or alternative procedure as approved PA DEP

g. Emission Standards:

(1) Emission Standard # 1

(a) Emission Standard Averaging Period Description: 6-minute average

(b) Emission Standard Value: 10 % Opacity

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

(2) Emission Standard # 2

(a) Emission Standard Averaging Period Description: NA

(b) Emission Standard Value: 60 % Opacity

(c) Emission Standard Direction: Violation if greater than or equal to emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

NA is not applicable

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

[Compliance with this streamlined permit condition will assure compliance with the applicable monitoring requirements in 40 CFR Sections 60.343 and 63.7113 and the special criteria for the use of COMS in 40 CFR Section 64.3(d)]

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

(A) The Continuous Emission Monitoring System (CEMS) ID 1844 shall be installed, approved by the Department, operated and maintained, including calibrated, 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 "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual (CSM), 274-0300-001.

CEMS ID 1844

a. Source to be Monitored: Source ID P408, Kiln #6

b. Parameter to be Reported: SO<sub>2</sub> Emissions

c. Units of Measurement to be Reported: ppm

d. Moisture Basis of Measurement to be Reported: Dry

e. Correction basis of Measurements to be Reported: NA

f. Data Substitution Required: Yes, Standard PA DEP method from CSM Manual or alternative procedure as approved PA DEP

g. Emission Standard:

(1) Emission Standard # 1

(a) Emission Standard Averaging Period Description: 1-hour average, block

(b) Emission Standard Value: 500 ppmvd

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

NA is not applicable

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

Data Availability Standard for CEMS ID 1842 which monitors and records NO<sub>x</sub> emissions from Source ID P408 in units of pounds for determining compliance with the 205 lbs/hr and 767 tons per year emission standards, based on 30-day average, rolling by 1 day and 12-month sum, rolling by 1 month, respectively, is provided below in paragraph (a) of this permit condition:

(a) As required under 25 Pa. Code Section 139.101(12) continuous 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. 7 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. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(c) Emission Standard(s) To Which Data Availability Standard applies: The 205 lbs/hr and 767 tons per year emission standards, based on 30-day average, rolling by 1 day and 12-month sum, rolling by 1 month, respectively. Basis for the periods of average and sum was taken from Plan Approval 14-00002A.

**SECTION D. Source Level Requirements****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(A) The Continuous Emission Monitoring System (CEMS) ID 1842 shall be installed, approved by the Department, operated and maintained, including calibrated, 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 "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual (CSM), 274-0300-001.

CEMS ID 1843

a. Source to be Monitored: Source ID P408, Kiln #6

b. Parameter to be Reported: SO<sub>2</sub> Emissions

c. Units of Measurement to be Reported: lbs/hr

d. Moisture Basis of Measurement to be Reported: NA

e. Correction basis of Measurements to be Reported: NA

f. Data Substitution Required: Yes, Standard PA DEP method from CSM Manual or alternative procedure as approved PA DEP

g. Emission Standards:

(1) Emission Standard # 1

(a) Emission Standard Averaging Period Description: 3-hour average, block

(b) Emission Standard Value: 305.0 lbs/hr

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

(2) Emission Standard # 2

(a) Emission Standard Averaging Period Description: 12-month sum, rolling by 1 month

(b) Emission Standard Value: 571 tons (1,142,000 lbs)

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

NA is not applicable

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

[Additional authority for this permit condition is derived from 40 CFR Sections 60.343 and 63.7112]

The permittee shall install, calibrate, maintain, and operate a device 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.

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

(A) The Continuous Emission Monitoring System (CEMS) ID 1842 shall be installed, approved by the Department, operated and maintained, including calibrated, 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 "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous

**SECTION D. Source Level Requirements**

Source Monitoring Manual (CSM), 274-0300-001.

CEMS ID 1842

a. Source to be Monitored: Source ID P408, Kiln #6

b. Parameter to be Reported: NOx Emissions

c. Units of Measurement to be Reported: lbs/hr

d. Moisture Basis of Measurement to be Reported: NA

e. Correction basis of Measurements to be Reported: NA

f. Data Substitution Required: Yes, Standard PA DEP method from CSM Manual or alternative procedure as approved PA DEP

g. Emission Standards:

(1) Emission Standard # 1

(a) Emission Standard Averaging Period Description: 30-day average, rolling by 1 day

(b) Emission Standard Value: 205 lbs/hr

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

(2) Emission Standard # 2

(a) Emission Standard Averaging Period Description: 12-month sum, rolling by 1 month

(b) Emission Standard Value: 767 tons (1,534,000 lbs)

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

NA is not applicable

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

**# 022 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(A) The Continuous Emission Monitoring System (CEMS) ID 1845 shall be installed, approved by the Department, operated and maintained, including calibrated, 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 "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual (CSM), 274-0300-001.

CEMS ID 1845

a. Source to be Monitored: Source ID P408, Kiln #6

b. Parameter to be Reported: CO Emissions

c. Units of Measurement to be Reported: lbs/hr

d. Moisture Basis of Measurement to be Reported: NA

e. Correction basis of Measurements to be Reported: NA

f. Data Substitution Required: Yes, Standard PA DEP method from CSM Manual or alternative procedure as approved PA



**SECTION D. Source Level Requirements**

DEP

g. Emission Standards:

(1) Emission Standard # 1

(a) Emission Standard Averaging Period Description: 1-hour average, block

(b) Emission Standard Value: 1431 lbs/hr

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

(2) Emission Standard # 2

(a) Emission Standard Averaging Period Description: 12-month sum, rolling by 1 month

(b) Emission Standard Value: 1314 tons (2,628,000 lbs)

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

NA is not applicable

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

The permittee shall comply with the applicable monitoring requirements pertaining to Source ID P408, as specified in 40 CFR Section 63.7120.

**# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**Data Availability Standard for CEMS ID 1843 which monitors and records SO<sub>2</sub> emissions from Source ID P408 in units of pounds for determining compliance with the 305.0 lbs/hr and 571 tons per year emission standards, based on 3-hour average, block and 12-month sum, rolling by 1 month, respectively, is provided below in paragraph (a) of this permit condition.

(a) As required under 25 Pa. Code Section 139.101(12) continuous 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. 7 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. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(c) Emission Standard(s) To Which Data Availability Standard applies: The 305.0 lbs/hr and 571 tons per year emission standards, based on 3-hour average, block and 12-month sum, rolling by 1 month, respectively. Basis for the periods of average and sum was taken from Plan Approval 14-00002A.

**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**Data Availability Standard for CEMS ID 1844 which monitors and records SO<sub>2</sub> emissions from Source ID P408 in units of ppm for determining compliance with the 500 ppmvd emission standard is provided below in paragraph (a) of this permit condition.

(a) As required under 25 Pa. Code Section 139.101(12) continuous 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:

**SECTION D. Source Level Requirements**

- (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. 7 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. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(c) Emission Standard(s) To Which Data Availability Standard applies: The 500 ppmvd emission standard of 25 Pa. Code Section 123.21.

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

Data Availability Standard for CEMS ID 1845 which monitors and records CO emissions from Source ID P408 in units of pounds for determining compliance with the 1431 lbs/hr and 1314 tons per year emission standards, based on 1-hour average, block and 12-month sum, rolling by 1 month, respectively, is provided below in paragraph (a) of this permit condition.

(a) As required under 25 Pa. Code Section 139.101(12) continuous 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. 7 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. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(c) Emission Standard(s) To Which Data Availability Standard applies: The 1431 lbs/hr and 1314 tons per year emission standards, based on 1-hour average, block and 12-month sum, rolling by 1 month, respectively. Basis for the periods of average and sum was taken from Plan Approval 14-00002A.

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

Data Availability Standard for CEMS ID 1846 which monitors and records opacity (%) of emissions from Source ID P408 for determining compliance with the 10% and 60% opacity emission standards, based on 6-minute average, block and any 1-minute value, respectively, is provided below in paragraph (a) of this permit condition.

(a) As required under 25 Pa. Code Section 139.103(2) 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. 7 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. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(c) Emission Standard(s) To Which Data Availability Standard applies: The 10% and 60% opacity emission standards. Basis for the period of average was taken from Plan Approval 14-00002A.

**# 028 [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

**SECTION D. Source Level Requirements**

with the maximum heat input rate associated with kiln preheat.

**IV. RECORDKEEPING REQUIREMENTS.****# 029 [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:

- (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.

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

The permittee shall keep records that demonstrate conformance with the requirements pertaining the measuring device that monitors mass rate of stone feed to Source ID P408.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(5) and 139.101(12)]

(a) 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 Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

**# 032 [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, 63.7120, 63.7132 and 63.7133.

**# 033 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of the current OM&M and SSM plans, and copies of all stack testing reports for Source ID P408.

**# 034 [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.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 035 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(1)(iv), 139.101(10) and 139.101(12)]

(a) 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 Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) The permittee shall report emissions of NO<sub>x</sub>, CO, SO<sub>2</sub>, and opacity for all periods of source 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 permittee, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standard(s).

(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 permit condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

(f) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

**# 036 [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, 63.7130 and 63.7131.

**VI. WORK PRACTICE REQUIREMENTS.****# 037 [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.

**# 038 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this streamlined permit condition is also derived from 40 CFR 63.7090(b)]

Source ID P408 shall never be operated without simultaneous operation of the ID C408 fabric collector.

**# 039 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.7090(b)]

The permittee shall maintain the ID C408 fabric collector associated with Source ID P408 such that the 6-minute average opacity for any 6-minute block period does not exceed 15 percent.

**# 040 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Sections 63.7090(b)]

The permittee shall inspect the ID C408 fabric collector including its capture system at least once each calendar year.

**SECTION D. Source Level Requirements****# 041 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate and maintain the ID C408 fabric collector in accordance with the procedures and requirements in the OM&M plan, as required by 40 CFR Section 63.7100. Implementation of corrective action is required after any instances in which the opacity is approaching 10%, as continuously monitored by the COMS read-out inside the kiln operator room.

**# 042 [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 NOx 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.****# 043 [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 coal/petroleum coke-fired burner. Kiln No. 6 is fired with No. 2 fuel oil or pipeline quality natural gas during periods of 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, except for instances in which a compartment is taken offline for any inspection and/or maintenance associated with implementation of corrective action.

**# 044 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P408 is subject to the National Emission Standards for Hazardous Air Pollutants for Lime Manufacturing Plants as codified in 40 CFR Part 63 Subpart AAAAA. The permittee shall comply with the applicable provisions pertaining to Source ID P408, as specified in 40 CFR Sections 63.7080 through 63.7143.

**# 045 [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.

**# 046 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

**SECTION D. Source Level Requirements**

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. Applicable monitoring to Source ID P408 as required herein pursuant to 40 CFR Part 63 Subpart AAAAA satisfies the monitoring required in the CAM requirement, according to 40 CFR Section 64.4(b).

**# 047 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In addition to those herein, the other permit terms and conditions as applicable to Source ID P408 are specified within Plan Approval 14-00002S. As noted within section C herein, these will be addressed and/or incorporated into TVOP 14-00002 at a later time as part of the pending Title V operating permit renewal process.

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

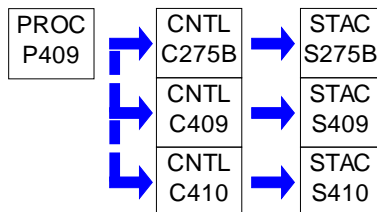
**SECTION D. Source Level Requirements**

Source ID: P409

Source Name: KILN 6 &amp; 7 STONE RECLAIM [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: STONE

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

The permittee shall comply with the fugitive emission restrictions pertaining to all buildings which enclose process stone handling sources, as specified in 40 CFR Section 63.7090.

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

The permittee shall comply with the emissions restrictions pertaining to the vents of all buildings which enclose process stone handling sources, as specified in 40 CFR Section 63.7090.

**# 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 C409 (S409).

**# 004 [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.

**# 005 [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).

**# 006 [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]

**SECTION D. Source Level Requirements**

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).

**# 007 [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 S410 exceeds five percent, based on any 6-minute average, block.

**# 008 [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.

**# 009 [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).****# 010 [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.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

While Source ID P409 is in operation, the permittee shall conduct 30-minute testing for determining compliance with the opacity restrictions as specified under restrictions, based on Test Method 9 of Appendix A-4 to Part 60 of Title 40 of the Code of Federal Regulation. The testing shall be conducted on each fabric collector (C275B, C409, and C410).

[Compliance with this permit condition will assure compliance with the provision that requires quarterly performance of 30-minute visible emission observations, as specified in 40 CFR Section 60.674(c)]

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

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

The permittee shall operate instrumentation that continuously monitors the differential pressure of each fabric collector (C275B, C409, and C410).



**SECTION D. Source Level 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]

While Source ID P409 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each fabric collector stack (S275B, S409, and S410) 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.****# 014 [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 (S275B, S409, S410), 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.

**# 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, in a logbook or electronically, that demonstrate conformance with the permit condition that requires EPA Reference Test Method 9 testing on each fabric collector (C275B, C409, and C410) as specified under testing requirements, including the date and time, the operating conditions and description of the visual background as existing at the time of each test, the results of the testing, and the initials of plant personnel that conducted the testing.

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

[Additional authority for this permit condition is derived from 40 CFR Section 63.7081]

The following processed stone handling sources of Source ID P409 including any building(s) which enclose processed stone handling are subject to the National Emission Standards for Hazardous Air Pollutants for Lime Manufacturing Plants as codified in 40 CFR Part 63 Subpart AAAAA. The permittee shall comply with the applicable provisions pertaining to Source ID P409, as specified in 40 CFR Sections 63.7080 through 63.7143.

Processed Stone Handling:

305-BIN-058 Bin  
305-BEC-062 Belt conveyor  
305-ELE-062 Elevator  
305-BEF-061 Belt Feeder

**SECTION D. Source Level Requirements**

305-HOP-061 Hopper

326-BIN-601 Bin

327-BEF-060 Belt Feeder

Building(s):

326-PHE-602 Preheat Tower and any other building which encloses the processed stone handling sources listed above.

**# 017 [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:

326-PHE-602; Preheat tower

305-IVS-048; Screen; 305-PDC-500

305-BEC-054; Belt conveyor; 305-PDC-500

305-BEC-045; Belt conveyor; 12-D-328/305-PDC-500

305-BEC-056; Belt conveyor; 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-BEF-061; Belt Feeder

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.

**# 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart 000 - 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 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.

305-IVS-048; Screen; 305-PDC-500

305-BEC-054; Belt conveyor; 305-PDC-500

305-BEC-045; Belt conveyor; 12-D-328/305-PDC-500

305-BEC-056; Belt conveyor; 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-BEF-061; Belt Feeder

326-BIN-601; Bin

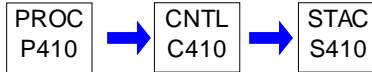
**\*\*\* Permit Shield in Effect. \*\*\***

**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.**

[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 C410 fabric collector.

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

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

While Source ID P410 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of the fabric collector stack (S410) 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.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

While Source ID P410 is in operation, the permittee shall record the differential pressure of the ID C410 fabric collector. The

**SECTION D. Source Level Requirements**

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 of each record, source operating conditions as existing at the time of each record and initials of plant personnel. The permittee shall also record all excursions, as defined herein, including description and timing of any corrective action(s) that were taken to restore normal operation.

**# 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, in a logbook or electronically, that demonstrate conformance with the permit condition that requires performance of daily inspections of the fabric collector stack (S410), 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.**

**# 007 [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

(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. \*\*\***

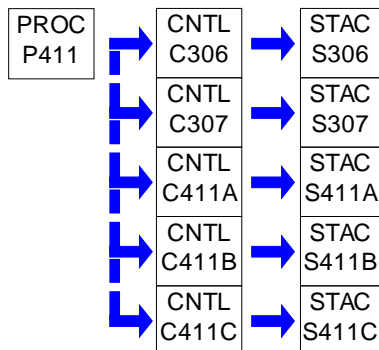
**SECTION D. Source Level Requirements**

Source ID: P411

Source Name: LIME HANDLING [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: LIME

**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 C411B (S411B).

**# 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 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).

**# 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 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.

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

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

(a) While Source ID P411 is in operation, the permittee shall conduct 30-minute testing for determining compliance with the applicable opacity restrictions, based on Test Method 9 of Appendix A-4 to Part 60 of Title 40 of the Code of Federal Regulation. The testing shall be conducted on each fabric collector (C306, C307, C411A, C411B, and C411C) at least once in any calendar month, except for as provided below in paragraph (b) of this condition.

(b) For any fabric collector, if six consecutive monthly tests are conducted which demonstrate compliance with the applicable opacity restrictions; the frequency of testing may be reduced to semi-annually. If one semi-annual test is conducted which demonstrates compliance with the applicable opacity restrictions, the frequency of testing may be reduced to annually. If any test is conducted which demonstrates non-compliance with any of the applicable opacity restrictions, the frequency of testing shall revert to monthly and that frequency shall be maintained until six consecutive monthly tests which show compliance with the applicable opacity restrictions are completed, then the frequency of testing may be changed in accordance with this paragraph.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

(a) The permittee shall operate instrumentation that continuously monitors the differential pressure of the ID C411A fabric collector, to verify the differential pressure is within the CAM indicator range.

(b) The accuracy of the differential pressure monitoring instrumentation equipped on ID C411A shall be  $\pm 10\%$  of the minimum of the CAM indicator (lower end of the range) or  $\pm 0.1$  inches of water, whichever is greater.

(c) The resolution of the differential pressure monitoring instrumentation equipped on ID C411A shall be at least down to the tenths in units of inches of water.

(d) The proposed CAM indicator range in the CAM plan submitted on May 12, 2014, for the ID C411A fabric collector is specified below.

(1) ID C411A CAM indicator range: 2.0 - 10.0 inches of water. One daily record of the differential pressure outside of the CAM indicator range is defined as an excursion.

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

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

The permittee shall operate instrumentation that continuously monitors the differential pressure of each fabric collector (C306, C307, C411B, and C411C).

**# 014 [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 P411 is in operation, the permittee shall conduct daily inspections, during daylight hours, that consist of a visual observation of each fabric collector stack (S306, S307, S411A, S411B, and S411C) 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.****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 64.7]

The permittee shall record all inspections, repair and maintenance performed on the ID C411A fabric collector and the differential pressure monitoring instrumentation equipped on the ID C411A fabric collector, including inventory of necessary parts for routine repairs of the fabric collector and its instrumentation.

**# 016 [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 P411 is in operation, the permittee shall record the differential pressure of each fabric collector (C306, C307, C411B, and C411C) 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.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.511 and 40 CFR Section 64.6]

While Source ID P411 is in operation, the permittee shall record the differential pressure of the ID C411A fabric collector. 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 also include the date and time of each record. The permittee shall also record all excursions, as defined herein, including description and timing of any corrective action(s) that were taken to restore normal operation.

**# 018 [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 (S306, S307, S411A, S411B, and S411C), 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.

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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.****# 020 [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 maintain the differential pressure monitoring instrumentation for each fabric collector (C306, C307, C411A, C411B, and C411C) according to the procedures specified below (Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005).

- (1) Every calendar week, the permittee shall inspect and clean the instrument face plate(s), as required.
- (2) Every calendar week, the permittee shall inspect, clean, and repair the pressure lines and connections, as required.
- (3) The permittee shall re-zero the differential pressure instrument(s) every calendar year.
- (4) Every calendar year, or per the manufacturer's recommended schedule, the permittee shall calibrate and repair the differential pressure instrumentation, as required.

**VII. ADDITIONAL REQUIREMENTS.****# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The provisions specified under 40 CFR Section 64.8 apply if implementation of a quality improvement plan (QIP) is required. Pursuant to 40 CFR Section 64.8(a), the implementation of a QIP is required if six excursions occur in any semi-annual reporting period.

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

(a) Source ID P411 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:

345-BEC-320; Belt conveyor; 345-PDC-520  
 345-BEC-332; Belt conveyor; 345-PDC-520  
 345-BEC-328; Belt conveyor; 345-PDC-520  
 345-RCR-418; Crusher; 345-PDC-520 (closed system)  
 345-DGC-462; Drag conveyor; 345-PDC-520  
 345-LSP-464; Loading Spout; 345-PDC-520  
 326-VIF-612; Vibratory Feeder; 345-PDC-500  
 326-VIF-613; Vibratory Feeder; 345-PDC-500  
 326-VIF-614; Vibratory Feeder; 345-PDC-500  
 326-VIF-615; Vibratory Feeder; 345-PDC-500  
 326-CCO-611; Clinker Cooler; 345-PDC-500  
 345-BEC-128; Belt conveyor; 345-PDC-500  
 345-DGC-106; Belt conveyor; 345-PDC-500  
 327-VIF-712; Vibratory Feeder; 345-PDC-500  
 327-VIF-713; Vibratory Feeder; 345-PDC-500  
 327-VIF-714; Vibratory Feeder; 345-PDC-500  
 327-VIF-715; Vibratory Feeder; 345-PDC-500  
 327-CCO-711; Clinker Cooler; 345-PDC-500  
 345-BEC-104; Belt conveyor; 345-PDC-500  
 345-DGC-130; Drag conveyor; 345-PDC-500  
 345-SCC-508; Screw conveyor; 345-PDC-500 (closed system)  
 345-SCC-507; Screw conveyor; 345-PDC-500 (closed system)  
 345-SCC-509; Screw conveyor; 345-PDC-500 (closed system)  
 345-SCC-644; Screw conveyor; 345-PDC-520 (closed system)



**SECTION D. Source Level Requirements**

345-SCC-646; Screw conveyor; 345-PDC-6720 (closed system)  
345-SCC-648; Screw conveyor; 345-PDC-6720 (closed system)  
345-SCC-233; Screw conveyor; 345-PDC-6720 (closed system)  
345-ELE-110; Elevator; 345-PDC-500  
345-ELE-124; Elevator; 345-PDC-500  
345-ELE-134; Elevator; 345-PDC-500  
345-SIL-031; Silo; 345-PDC-510  
345-SIL-032; Silo; 345-PDC-510  
345-SIL-033; Silo; 345-PDC-510  
345-SIL-042; Silo; 345-PDC-510  
345-SIL-041; Silo; 345-PDC-510  
345-BEC-208; Belt conveyor; 345-PDC-510  
345-BEC-228; Belt conveyor; 345-PDC-510  
345-SCC-232; Screw conveyor; 345-PDC-6720 (closed system)  
345-IVS-204; Screen; 345-PDC-6720  
345-IVS-224; Screen; 345-PDC-6720  
345-BEC-114; Belt conveyor; 345-PDC-500  
345-BEC-138; Belt conveyor; 345-PDC-500  
345-BEC-236; Belt conveyor; 345-PDC-6720  
345-BEC-242; Belt conveyor; 345-PDC-6720  
345-BEC-602; Belt conveyor; 345-PDC-520  
345-SCC-604; Screw conveyor; 345-PDC-520 (closed system)  
345-DGC-603; Drag conveyor; 345-PDC-520  
345-SCC-640; Screw conveyor; 345-PDC-520 (closed system)  
345-ELE-610; Elevator; 345-PDC-510  
345-ELE-412; Elevator; 345-PDC-510  
345-ELE-214; Elevator; 345-PDC-510  
345-ELE-218; Elevator; 345-PDC-510  
345-ELE-728; Elevator; 345-PDC-510  
345-SCC-620; Screw conveyor; 345-PDC-510 (closed system)  
345-BEC-372; Belt conveyor; 345-PDC-6711  
345-BEC-376; Belt conveyor; 345-PDC-6711  
345-BEC-374; Belt conveyor; 345-PDC-6711  
345-ECS-414; Screen; 345-PDC-520  
345-SCC-430; Screw conveyor; 345-PDC-510/345-PDC-520 (closed system)  
345-SCC-432; Screw conveyor; 345-PDC-520 (closed system)  
345-SIL-055; Silo; 345-PDC-520  
345-SIL-053; Silo; 345-PDC-520  
345-SIL-051; Silo; 345-PDC-520  
345-SIL-052; Silo; 345-PDC-520  
345-BEC-450; Belt conveyor; 345-PDC-520  
345-BEC-460; Belt conveyor; 345-PDC-520  
345-BIN-805; Bin; 345-PDC-510  
345-DGC-709; Drag conveyor; 345-PDC-510  
345-LSP-810; Loading Spout; 345-PDC-510  
345-LSP-772; Loading Spout ; 345-PDC-510  
345-RCR-720; Crusher; 345-PDC-510 (closed system)  
345-SIL-025; Silo; 345-PDC-510  
345-SIL-061; Silo; 345-PDC-510  
345-SIL-062; Silo; 345-PDC-510  
345-SIL-063; Silo; 345-PDC-510  
345-SIL-064; Silo; 345-PDC-510  
345-BEC-768; Belt conveyor; 345-PDC-510  
345-DGC-770; Drag conveyor; 345-PDC-510  
345-BEC-758; Belt conveyor; 345-PDC-510  
345-SCC-740; Screw conveyor; 345-PDC-510 (closed system)

**SECTION D. Source Level Requirements**

345-SCC-738; Screw conveyor; 345-PDC-510 (closed system)  
 345-ECS-716; Screen; 345-PDC-510  
 345-BEC-708; Belt conveyor; 345-PDC-510  
 345-ELE-404; Elevator; 345-PDC-520  
 345-ELE-408; Elevator; 345-PDC-520  
 345-ELE-724; Elevator; 345-PDC-510  
 345-ELE-706; Elevator; 345-PDC-510  
 345-VIF-304; Vibratory Feeder; 345-PDC-520  
 345-VIF-306; Vibratory Feeder; 345-PDC-520  
 345-VIF-310; Vibratory Feeder; 345-PDC-520  
 345-VIF-312; Vibratory Feeder; 345-PDC-520  
 345-VIF-440; Vibratory Feeder; 345-PDC-520  
 345-VIF-442; Vibratory Feeder; 345-PDC-520  
 345-VIF-444; Vibratory Feeder; 345-PDC-520  
 345-VIF-750; Vibratory Feeder; 345-PDC-510  
 345-VIF-752; Vibratory Feeder; 345-PDC-510  
 345-VIF-754; Vibratory Feeder; 345-PDC-510  
 345-BEC-999; Belt conveyor; 345-PDC-500  
 345-SCC-128; Screw conveyor; 345-PDC-500  
 345-VIF-350; Vibratory Feeder; 345-PDC-6711  
 345-VIF-352; Vibratory Feeder; 345-PDC-6711  
 345-VIF-354; Vibratory Feeder; 345-PDC-6711  
 345-VIF-356; Vibratory Feeder; 345-PDC-6711  
 345-VIF-358; Vibratory Feeder; 345-PDC-6711  
 345-VIF-360; Vibratory Feeder; 345-PDC-6711  
 345-VIF-362; Vibratory Feeder; 345-PDC-6711  
 345-VIF-364; Vibratory Feeder; 345-PDC-6711  
 345-VIF-366; Vibratory Feeder; 345-PDC-6711  
 345-VIF-368; Vibratory Feeder; 345-PDC-6711  
 345-VIF-370; Vibratory Feeder; 345-PDC-6711  
 345-SCC-654; Screw conveyor; 345-PDC-6711 (closed system)  
 345-SCC-650; Screw conveyor; 345-PDC-6711 (closed system)

(b) ID C306 is a fabric collector that is referenced above as 345-PDC-6720 and shall control the air contaminant emissions from the sources, as specified above.

(c) ID C307 is a fabric collector that is referenced above as 345-PDC-6711 and shall control the air contaminant emissions from the sources, as specified above.

(d) ID C411A is a fabric collector that is referenced above as 345-PDC-500 and shall control the air contaminant emissions from the sources, as specified above.

(e) ID C411B is a fabric collector that is referenced above as 345-PDC-510 and shall control the air contaminant emissions from the sources, as specified above.

(f) ID C411C is a fabric collector that is referenced above as 345-PDC-520 and shall control the air contaminant emissions from the sources, as specified above.

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

The sources of Source ID P411 which are controlled by the ID C411A fabric collector are subject to the requirement at 40 CFR Part 64, relating to Compliance Assurance Monitoring (CAM). The permittee shall comply with all of the applicable provisions pertaining to Source ID P411, as specified in 40 CFR Section 64.1 through 64.10.

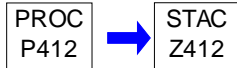
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P412

Source Name: FUEL HANDLING KILNS 6 &amp; 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

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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-005; 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. \*\*\***

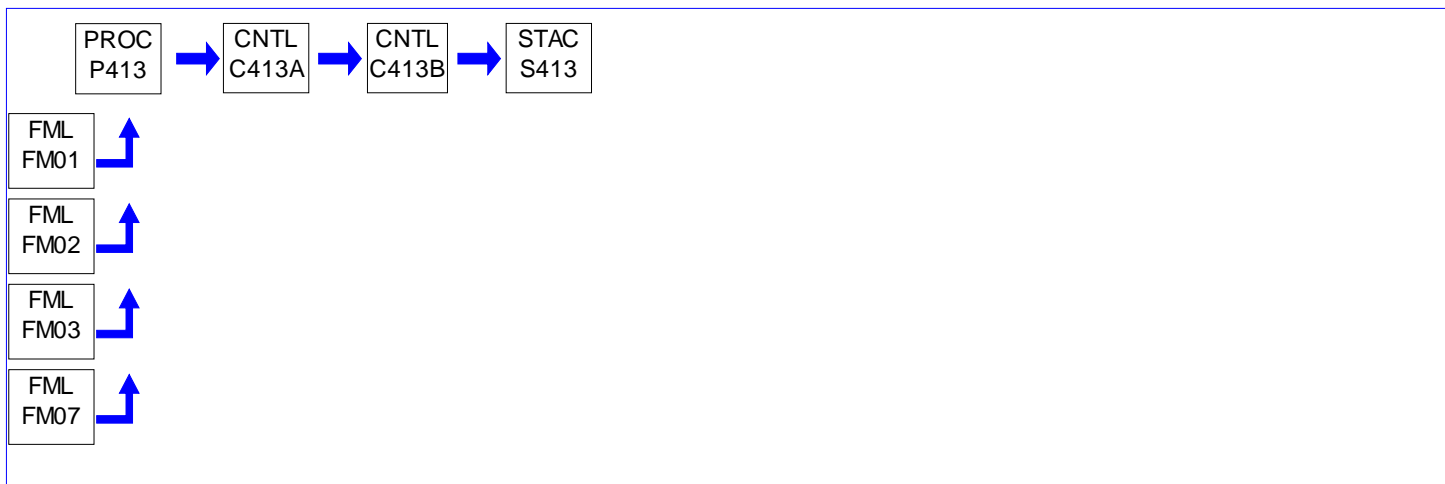
**SECTION D. Source Level Requirements**

Source ID: P413

Source Name: LIME KILN NO. 7 [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SO2 PAL PERMIT

**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 SO<sub>2</sub>, 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 and done in accordance with the Department's Stack Testing Manual, 40 CFR Part 60 Subpart HH, and 40 CFR Part 63 Subpart AAAAA.

[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 and 63.7090]

[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, until a final limit is established.

**SECTION D. Source Level Requirements**

Compliance with the volatile organic compound emission restriction shall be evaluated based upon stack testing done in accordance with the Department Stack Testing Manual, and approved by the Department.

**# 005 [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 NOx from Source ID P413 (kiln 7) in such a manner that the hourly NOx 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 NOx from Source ID P413 (kiln 7) in such a manner that the NOx emissions exceed 709 tons per year based on 12-month sum, rolling by 1 month as monitored by a Department-certified CEMS.

**# 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 ammonia emissions from Source ID P413 shall not exceed 18.3 pounds per hour, until a final limit is established. Compliance with the ammonia emission restriction shall be evaluated based upon stack testing done in accordance with the Department Stack Testing Manual, and approved by the Department.

**# 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 hydrogen chloride emissions from Source ID P413 shall not exceed 25.0 pounds per hour, until a final limit is established. Compliance with the hydrogen chloride emission restriction shall be evaluated based upon stack testing done in accordance with the Department Stack Testing Manual, and approved by the Department.

**# 008 [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.

Pollutant	Units	Moist.	DATA		Violation	Standard	Averaging Period	Variable
			%O2	Sub				
NOx	lbs/hr	NA	NA	Yes	>	179	30-day average, rolling by 1 day	NO
NOx	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
SO2	lbs/hr	NA	NA	Yes	>	92.83	3-hour average, block	NO
SO2	tons	NA	NA	Yes	>	213	12-month sum, rolling by 1 month	NO

NA is not applicable

**# 009 [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%, as measured by the continuous opacity monitor, required herein.

**SECTION D. Source Level Requirements****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.

**# 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]  
ID C413A shall achieve a minimum sulfur oxides (SO<sub>x</sub>) removal efficiency of 93%, based on an hourly average.

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

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

(a) All Continuous Emission Monitoring Systems (CEMS) identified in this Permit as CEMS IDs 1889, 1890, 1891, 1892, and 1893 and their components shall be operated and maintained, including calibrated, 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 Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001

(b) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

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

(a) Compliance with the hydrogen chloride, volatile organic compound and ammonia emission restrictions shall be evaluated based upon stack testing approved by the Department and done in accordance with the Department's Stack Testing Manual. Stack testing shall be completed no later than 180 days after the issuance of this renewal Title V Operating authorization (DEP Auth ID: 587685).

(b) The permittee shall perform subsequent stack testing on Source ID P413 for hydrogen chloride, volatile organic compound and ammonia emissions once, at least, in each of the next four (4) calendar years after the completion of the stack testing required above in paragraph (a) of this permit condition.

(c) Final emission limits for hydrogen chloride, volatile organic compound, and ammonia will be established by the Department based on evaluation of the results of the stack testing performed on Source ID P413, and the Department will consider the variability of the results. Final emission limits will be incorporated into the Title V operating permit, and the permittee retains the right to comment on any final emission limit. Any of the VOC, HCl and ammonia emission restrictions may be adjusted upward to a final emission limit only after evaluation and approval of a new plan approval application.

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

(a) Within 180 days of the issuance date of the renewal Title V operating permit, the permittee shall perform testing upon on Source ID P413, in order to demonstrate compliance with the minimum SO<sub>x</sub> removal efficiency restriction.

(b) The stack testing shall be conducted simultaneously at the inlet of the waste heat boiler and at the outlet of ID C413B,

**SECTION D. Source Level Requirements**

unless otherwise approved by the Department.

(c) The stack testing shall be performed using test methods and procedures deemed acceptable by the Department, in accordance with the Department's Stack Testing Manual.

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

(a) The permittee shall comply with the applicable testing requirements pertaining to Source ID P413, as specified in 40 CFR Sections 60.344 and 63.7110 through 63.7114.

(b) Pursuant to 40 CFR Section 63.7111, the permittee shall perform stack testing on Source ID P413 for particulate matter on or before October 1, 2018, in accordance with the Department's Stack Testing Manual and the applicable requirements in 40 CFR Part 63 Subpart AAAAA.

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

(A) The Continuous Emission Monitoring System (CEMS) ID 1889 shall be installed, approved by the Department, operated and maintained, including calibrated, 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 "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual (CSM), 274-0300-001.

CEMS ID 1889

a. Source to be Monitored: Source ID P413, Kiln #7

b. Parameter to be Reported: NOx Emissions

c. Units of Measurement to be Reported: lbs/hr

d. Moisture Basis of Measurement to be Reported: NA

e. Correction basis of Measurements to be Reported: NA

f. Data Substitution Required: Yes, Standard PA DEP method from CSM Manual or alternative procedure as approved PA DEP

g. Emission Standards:

(1) Emission Standard # 1

(a) Emission Standard Averaging Period Description: 30-day average, rolling by 1 day

(b) Emission Standard Value: 179 lbs/hr

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

(2) Emission Standard # 2

(a) Emission Standard Averaging Period Description: 12-month sum, rolling by 1 month

(b) Emission Standard Value: 709 tons (1,418,000 lbs)

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

NA is not applicable

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute



**SECTION D. Source Level Requirements**

compliance with the regulations.

**# 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 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.

**# 019 [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 the temperature of the gas flow at the outlet of the ID C413B fabric collector. The instrumentation shall meet the applicable minimum data availability requirements under 25 Pa. Code Section 139.101.

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

(A) The Continuous Emission Monitoring System (CEMS) ID 1890 shall be installed, approved by the Department, operated and maintained, including calibrated, 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 "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual (CSM), 274-0300-001.

CEMS ID 1890

a. Source to be Monitored: Source ID P413, Kiln #7

b. Parameter to be Reported: CO Emissions

c. Units of Measurement to be Reported: lbs/hr

d. Moisture Basis of Measurement to be Reported: NA

e. Correction basis of Measurements to be Reported: NA

f. Data Substitution Required: Yes, Standard PA DEP method from CSM Manual or alternative procedure as approved PA DEP

g. Emission Standards:

(1) Emission Standard # 1

(a) Emission Standard Averaging Period Description: 1-hour average, block

(b) Emission Standard Value: 1800 lbs/hr

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

(2) Emission Standard # 2

(a) Emission Standard Averaging Period Description: 12-month sum, rolling by 1 month

(b) Emission Standard Value: 1150 tons (2,300,000 lbs)

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

NA is not applicable

**SECTION D. Source Level Requirements**

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

**# 021 [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 63.7120.

**# 022 [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 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.

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

Data Availability Standard for CEMS ID 1891 which monitors and records SO<sub>2</sub> emissions from Source ID P413 in units of pounds for determining compliance with the 92.83 lbs/hr and 213 tons per year emission standards, based on 3-hour average, block and 12-month sum, rolling by 1 month, respectively, is provided below in paragraph (a) of this permit condition.

(a) As required under 25 Pa. Code Section 139.101(12) continuous 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. 7 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. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(c) Emission Standard(s) To Which Data Availability Standard applies: The 92.83 lbs/hr and 213 tons per year emission standards, based on 3-hour average, block and 12-month sum, rolling by 1 month, respectively. Basis for the periods of average and sum was taken from Plan Approval 14-00002A.

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

Data Availability Standard for CEMS ID 1892 which monitors and records SO<sub>2</sub> emissions from Source ID P408 in units of ppm for determining compliance with the 500 ppmvd emission standard is provided below in paragraph (a) of this permit condition.

(a) As required under 25 Pa. Code Section 139.101(12) continuous 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. 7 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. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(c) Emission Standard(s) To Which Data Availability Standard applies: The 500 ppmvd emission standard of 25 Pa. Code Section 123.21.

**SECTION D. Source Level Requirements****# 025 [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<sub>x</sub> 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<sub>x</sub> emission rate for Source ID P413 shall include the NO<sub>x</sub> emissions that occur during the entire operating day, including emissions from start-ups, shutdowns and malfunctions.

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

[Additional authority for this streamlined permit condition is derived from 40 CFR Section 63.7100]

(A) The Continuous Emission Monitoring System (CEMS) ID 1893, Kiln No. 7 COMS, shall be installed, approved by the Department, operated and maintained, including calibrated, 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 "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual (CSM), 274-0300-001. Additionally, the permittee shall ensure that the CEMS ID 1893 is installed, maintained, calibrated, and operated as required by 40 CFR Part 63, Subpart A (related to General Provisions) and according to Performance Specification (PS)-1 of Appendix B to Part 60 of Title 40 of the Code of Federal Regulation.

CEMS ID 1893

a. Source to be Monitored: Source ID P413, Kiln #7

b. Parameter to be Reported: Opacity of Emissions

c. Units of Measurement to be Reported: %

d. Moisture Basis of Measurement to be Reported: NA

e. Correction basis of Measurements to be Reported: NA

f. Data Substitution Required: Yes, Standard PA DEP method from CSM Manual or alternative procedure as approved PA DEP

g. Emission Standards:

(1) Emission Standard # 1

(a) Emission Standard Averaging Period Description: 6-minute average

(b) Emission Standard Value: 10 % Opacity

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

(2) Emission Standard # 2

(a) Emission Standard Averaging Period Description: NA

(b) Emission Standard Value: 60 % Opacity

(c) Emission Standard Direction: Violation if greater than or equal to emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

NA is not applicable

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute

**SECTION D. Source Level Requirements**

compliance with the regulations.

[Compliance with this streamlined permit condition will assure compliance with the applicable monitoring requirements in 40 CFR Sections 60.343 and 63.7113 and the special criteria for the use of COMS in 40 CFR Section 64.3(d)]

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

(A) The Continuous Emission Monitoring System (CEMS) ID 1891 shall be installed, approved by the Department, operated and maintained, including calibrated, 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 "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual (CSM), 274-0300-001.

CEMS ID 1891

a. Source to be Monitored: Source ID P413, Kiln #7

b. Parameter to be Reported: SO<sub>2</sub> Emissions

c. Units of Measurement to be Reported: lbs/hr

d. Moisture Basis of Measurement to be Reported: NA

e. Correction basis of Measurements to be Reported: NA

f. Data Substitution Required: Yes, Standard PA DEP method from CSM Manual or alternative procedure as approved PA DEP

g. Emission Standards:

(1) Emission Standard # 1

(a) Emission Standard Averaging Period Description: 3-hour average, block

(b) Emission Standard Value: 92.83 lbs/hr

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

(2) Emission Standard # 2

(a) Emission Standard Averaging Period Description: 12-month sum, rolling by 1 month

(b) Emission Standard Value: 213 tons (426,000 lbs)

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

NA is not applicable

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

**# 028 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Sections 60.343 and 63.7112]

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

(A) The Continuous Emission Monitoring System (CEMS) ID 1892 shall be installed, approved by the Department, operated and maintained, including calibrated, 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 "Submittal and Approval", "Record Keeping and Reporting", and "Quality Assurance" requirements of Revision No. 7 of the Department's Continuous Source Monitoring Manual (CSM), 274-0300-001.

CEMS ID 1892

a. Source to be Monitored: Source ID P413, Kiln #7

b. Parameter to be Reported: SO<sub>2</sub> Emissions

c. Units of Measurement to be Reported: ppm

d. Moisture Basis of Measurement to be Reported: Dry

e. Correction basis of Measurements to be Reported: NA

f. Data Substitution Required: Yes, Standard PA DEP method from CSM Manual or alternative procedure as approved PA DEP

g. Emission Standard:

(1) Emission Standard # 1

(a) Emission Standard Averaging Period Description: 1-hour average, block

(b) Emission Standard Value: 500 ppmvd

(c) Emission Standard Direction: Violation if greater than emission standard value

(d) Variable Emission Standard: No

(e) Emission Standard And Status: Yes

NA is not applicable

(B) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

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

Data Availability Standard for CEMS ID 1889 which monitors and records NO<sub>x</sub> emissions from Source ID P413 in units of pounds for determining compliance with the 179 lbs/hr and 709 tons per year emission standards, based on 30-day average, rolling by 1 day and 12-month sum, rolling by 1 month, respectively, is provided below in paragraph (a) of this permit condition:

(a) As required under 25 Pa. Code Section 139.101(12) continuous 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. 7 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. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(c) Emission Standard(s) To Which Data Availability Standard applies: The 179 lbs/hr and 709 tons per year emission standards, based on 30-day average, rolling by 1 day and 12-month sum, rolling by 1 month, respectively. Basis for the periods of average and sum was taken from Plan Approval 14-00002A.

**SECTION D. Source Level Requirements****# 031 [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 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.

**# 032 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Data Availability Standard for CEMS ID 1890 which monitors and records CO emissions from Source ID P413 in units of pounds for determining compliance with the 1800 lbs/hr and 1150 tons per year emission standards, based on 1-hour average, block and 12-month sum, rolling by 1 month, respectively, is provided below in paragraph (a) of this permit condition.

(a) As required under 25 Pa. Code Section 139.101(12) continuous 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. 7 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. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(c) Emission Standard(s) To Which Data Availability Standard applies: The 1800 lbs/hr and 1150 tons per year emission standards, based on 1-hour average, block and 12-month sum, rolling by 1 month, respectively. Basis for the periods of average and sum was taken from Plan Approval 14-00002A.

**# 033 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Data Availability Standard for CEMS ID 1893 which monitors and records opacity (%) of emissions from Source ID P413 for determining compliance with the 10% and 60% opacity emission standards, based on 6-minute average, block and any 1-minute value, respectively, is provided below in paragraph (a) of this permit condition.

(a) As required under 25 Pa. Code Section 139.103(2) 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. 7 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. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revisions to the Continuous Source Monitoring Manual will constitute compliance with the regulations.

(c) Emission Standard(s) To Which Data Availability Standard applies: The 10% and 60% opacity emission standards. Basis for the period of average was taken from Plan Approval 14-00002A.

**# 034 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall use the CEMS ID 1891 to monitor SO<sub>2</sub> emissions in units of lb/hr for determining compliance with the minimum SO<sub>x</sub> removal efficiency requirement during kiln startup periods.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 035 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of the current OM&M and SSM plans, and copies of all stack testing reports for Source ID P413.

**# 036 [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 difference of valid temperature data as recorded by the instrumentation required under monitoring requirements shall be reduced to 1-hour averages, block. The hourly averages shall be equal to or greater than the minimum temperature limit. The minimum temperature limit is 100 degrees Fahrenheit (based on the stack testing conducted in 2008), unless otherwise established based on stack testing as approved by the Department.

**# 037 [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.

**# 038 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records that demonstrate conformance with the requirements pertaining the measuring device that monitors mass rate of stone feed to Source ID P413.

**# 039 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(5) and 139.101(12)]

(a) 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 Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

**# 040 [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, 63.7120, 63.7132 and 63.7133.

**# 041 [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 valid differential pressure data as recorded by the instrumentation required under monitoring requirements shall be reduced to 1-hour averages, block. The hourly averages shall be equal to or greater than the minimum differential pressure limit. The minimum differential pressure limit is 3.9 inches of water (based on the stack testing conducted in 2008), unless otherwise established based on stack testing as approved by the Department.

**# 042 [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

**SECTION D. Source Level Requirements**

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.****# 043 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 139.101(1)(iv), 139.101(10) and 139.101(12)]

(a) 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 Revision No. 7 of the Department's Continuous Source Monitoring Manual, 274-0300-001.

(b) The permittee shall report emissions of NO<sub>x</sub>, CO, SO<sub>2</sub>, and opacity for all periods of source 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 permittee, in writing, of the approval of the continuous source monitoring system for use in determining compliance with applicable emission standard(s).

(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 permit condition, shall constitute violations of this Permit, unless approved in advance by the Department in writing.

(f) Compliance with any subsequently issued revision to the Continuous Source Monitoring Manual will constitute compliance with this permit condition.

**# 044 [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, 63.7130 and 63.7131.

**VI. WORK PRACTICE REQUIREMENTS.****# 045 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Sections 63.7090(b)]

The permittee shall inspect the ID C413B fabric collector including its capture system at least once each calendar year.

**# 046 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate and maintain the ID C413B fabric collector in accordance with the procedures and requirements in the OM&M plan, as required by 40 CFR Section 63.7100. Implementation of corrective action is required after any instances in which the opacity is approaching 10% as continuously monitored by the COMS read-out inside the kiln operator room.

**# 047 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 63.7090(b)]



**SECTION D. Source Level Requirements**

The permittee shall maintain the ID C413B fabric collector associated with Source ID P413 such that the 6-minute average opacity for any 6-minute block period does not exceed 15 percent.

**# 048 [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 C413B fabric collector associated with Source ID P413, in order to be able to replace any bags that are torn or deteriorated.

**# 049 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this streamlined permit condition is also derived from 40 CFR 63.7090(b)]

Source ID P413 shall never be operated without simultaneous operation of the ID C413B fabric collector.

**# 050 [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.

**# 051 [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<sub>x</sub> from Source ID P413 shall be controlled by ID C413A.

(c) The emission of particulate matter/PM<sub>10</sub> from Source ID P413 shall be controlled by ID C413B.

**# 052 [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<sub>x</sub> 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.****# 053 [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.

Applicable monitoring to Source ID P413 as required herein pursuant to 40 CFR Part 63 Subpart AAAAA satisfies the

**SECTION D. Source Level Requirements**

monitoring required in the CAM requirement, according to 40 CFR Section 64.4(b).

**# 054 [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.

**# 055 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Source ID P413 is 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 coal/petroleum coke-fired burner. Kiln No. 7 is fired with No. 2 fuel oil or natural gas during periods of preheat.

(b) ID C413A is a semi-wet scrubbing system, consisting of the following equipment:

- (1) One (1) Solios model VVR-14-82 Venturi reactor (or equivalent, as approved by the Department),
- (2) Two (2) 35 ton per hour capacity conditioning drums,
- (3) One (1) 35 ton per hour capacity pre-conditioning drum,
- (4) One (1) 65 ton capacity recycle bin,
- (5) One (1) 10 ton capacity lime kiln dust (LKD) surge bin,
- (6) One (1) 25 ton capacity fresh lime bin,
- (7) One (1) screw conveyor from conditioning drums to Venturi reactor,
- (8) One (1) screw conveyor from fabric collector to bucket elevators,
- (9) Two (2) bucket elevators to the recycle bin,
- (10) Other conveyors as described in the application and supplemental materials for Plan Approval 14-00002H.

(c) ID C413B is a SONAIR model 8-1216-336-50668, suction-design, pulse jet fabric collector, designated as 326-PDC-760, containing 336 bags per 1 of its 8 compartment and designed to have a minimum air to cloth ratio equal to 3.1 feet per minute. The ID C413B fabric collector shall have a minimum fabric area of 46,998 square feet and shall not handle more than 146,000 actual cubic feet per minute of effluent gas from Source ID P413, except for instances in which a compartment is taken offline for any inspection and/or maintenance associated with implementation of corrective action.

**# 056 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P413 is subject to the National Emission Standards for Hazardous Air Pollutants for Lime Manufacturing Plants as codified in 40 CFR Part 63 Subpart AAAAA. The permittee shall comply with the applicable provisions pertaining to Source ID P413, as specified in 40 CFR Sections 63.7080 through 63.7143.

**# 057 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

In addition to those herein, the other permit terms and conditions as applicable to Source ID P413 are specified within Plan Approval 14-00002S. As noted within section C herein, these will be addressed and/or incorporated into TVOP 14-00002 at a later time as part of the pending Title V operating permit renewal process.

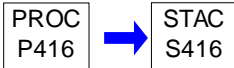
\*\*\* Permit Shield in Effect. \*\*\*

**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. The waste-heat boiler shall cool the exhaust



**SECTION D. Source Level Requirements**

gas from Source ID P413.

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

**SECTION D. Source Level Requirements**

Source ID: P418

Source Name: LIME KILN NO. 8 [PG]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SO2 PAL PERMIT

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

In addition to those herein, the other permit terms and conditions as applicable to Source ID P418 are specified within Plan Approvals 14-00002N, P & S. As noted within section C herein, these will be addressed and/or incorporated into TVOP 14-00002 at a later time as part of the pending Title V operating permit renewal process.

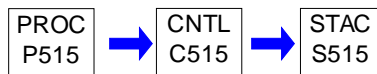
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P515 Source Name: FLOUR PLANT [CONLIME]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: INSTALL PD

**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) and/or Section E (Source Group Restrictions).

**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]

**SECTION D. Source Level Requirements**

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

(a) 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).

Rock Dust Loadout Spout; C515  
 Truck Bunker (70 ton bin); C515  
 Rock Dust Bins  
 Screw Conveyor 2 (from Rock Dust Bin)  
 Bagger; C515  
 C515 Screw Conveyor

(b) 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. \*\*\***

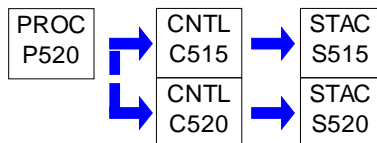
**SECTION D. Source Level Requirements**

Source ID: P520

Source Name: GLASSHOUSE TRUCK LOADOUT [CONLIME]

Source Capacity/Throughput:

Conditions for this source occur in the following groups: INSTALL PD

**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) and/or Section E (Source Group Restrictions).

**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,



**SECTION D. Source Level Requirements**

ambient lighting, and where the personnel should stand to conduct the visual observation.

**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) 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.**

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) 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):

Glasshouse Silo Silo C515 Baghouse  
 Glasshouse Elevator Elevator C515 Baghouse  
 Screw Conveyor 1 Screw conveyor C515 Baghouse  
 Silo Transfer Pipe Transfer Pipe C515 Baghouse

**SECTION D. Source Level Requirements**

Loading Tank Silo C515 Baghouse  
Screw Under Silo Screw conveyor C515 Baghouse  
Truck Loadout Spout Loading Spout C520 Baghouse

(b) ID C520, a Sly model PS-3 fabric collector, shall control the air contaminant emissions from the source, as specified above.

(c) ID C515, a Sly model 14B W.W. fabric collector, shall control the air contaminant emissions from the sources, as specified above.

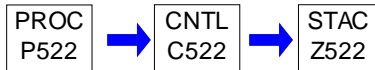
**\*\*\* Permit Shield in Effect. \*\*\***

**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).

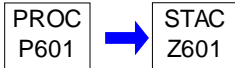
**\*\*\* Permit Shield in Effect. \*\*\***

**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: INSTALL PD

Group Description: Requirement to install pressure differential monitoring equipment, if necessary.

**Sources included in this group**

ID	Name
P113	RKP SYSTEM, #10 RAYMOND MILL [BEL]
P201	HYDRATE PROCESS EQUIPMENT [BEL]
P203	RAW LIME HANDLING [BEL]
P204	RAW LIME PROCESSING [BEL]
P306	PEBBLE LIME HANDLING AND SCREENING [PG]
P309	PULVERIZED LIME PRODUCTION [PG]
P403	KILN 7 LKD HANDLING [PG]
P515	FLOUR PLANT [CONLIME]
P520	GLASSHOUSE TRUCK LOADOUT [CONLIME]

**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.**

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

(a) If any of the fabric collector(s) associated with this Source ID are not equipped with differential pressure monitoring instrumentation as of the effective date of this renewal Title V operating permit authorization (DEP Auth ID: 587685), the permittee shall satisfy the requirements in paragraph (b) of this condition.

(b) Within 180 days of the effective date the renewal Title V operating permit authorization, the permittee shall install differential pressure monitoring instrumentation according to manufacturer's specifications and operate and maintain the differential pressure monitoring instrumentation according to the procedures specified in the Cleaning, Inspection, Maintenance, Repair and Calibration Plan dated December 23, 2005.

**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 E. Source Group Restrictions.**

Group Name: LIME

Group Description: M9 recordkeeping conditions for lime handling sources subject to BAT opacity restriction

**Sources included in this group**

ID	Name
P306	PEBBLE LIME HANDLING AND SCREENING [PG]
P309	PULVERIZED LIME PRODUCTION [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.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall keep records, in a logbook or electronically, that demonstrate conformance with the permit condition that requires EPA Reference Test Method 9 testing, as specified under testing requirements, including the date and time, the operating conditions and description of the visual background as existing at the time of each test, the results of the testing, and the initials of plant personnel that conducted the testing.

**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 E. Source Group Restrictions.**

Group Name: RECORDKEEPING

Group Description: Requirement to keep records demonstrating pressure differential maintenance activities were p

Sources included in this group

ID	Name
P108	LIME LOAD-OUT AND BAGGING [CONLIME]
P113	RKP SYSTEM, #10 RAYMOND MILL [BEL]
P201	HYDRATE PROCESS EQUIPMENT [BEL]
P203	RAW LIME HANDLING [BEL]
P204	RAW LIME PROCESSING [BEL]

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

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

The permittee shall keep records that demonstrate conformance with the permit condition that requires maintenance, cleaning, inspection and calibration activities, as specified under work practice requirements, including the date and time of performance of each activity and any corrective action, in a logbook or electronically.

**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 E. Source Group Restrictions.**

Group Name: SO2 PAL PERMIT

Group Description: SO2 PAL Permit Renewal Conditions pursuant to 40 CFR §§ 52.21(aa)(1) through (15)

**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
P320A	136 HP DIESEL GENERATOR [PG]
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 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

(a) Pursuant to the plantwide applicability limit (PAL) provisions of 40 CFR §§ 52.21(aa)(7)(i) and (ii), the total combined sulfur dioxide (SO<sub>2</sub>) 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 SO<sub>2</sub> PAL effective period shall commence on the issue date of this significant operating permit modification (DEP Auth 1397000) and will expire 10 years from this issue date unless otherwise specified herein.

(b) In accordance with 40 CFR § 52.21(aa)(7)(iv), emissions calculations used to establish compliance with the SO<sub>2</sub> PAL permit shall include emissions from startups, shutdowns and malfunctions.

(c) In accordance with 40 C.F.R. Section 52.21(aa)(4)(i)(a), for each month during the SO<sub>2</sub> PAL effective period after the first 12 months of establishing the SO<sub>2</sub> 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 SO<sub>2</sub> PAL level noted above within paragraph (a). For each month during the first 11 months from the SO<sub>2</sub> PAL effective date, the permittee shall demonstrate that the sum of the preceding monthly emissions from the SO<sub>2</sub> PAL effective date for each source under the PAL is less than the SO<sub>2</sub> PAL level noted above within paragraph (a).

**Fuel Restriction(s).****# 002 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

Pursuant to 40 CFR §§ 52.21(aa)(7)(vii) and (12), any No. 2 fuel oil fuel or diesel used in any source or emission unit under the SO<sub>2</sub> 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 SO<sub>2</sub> PAL shall not exceed 0.0015% (by weight) in order to verify compliance with the SO<sub>2</sub> PAL permit requirements 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).

**SECTION E. Source Group Restrictions.****III. MONITORING REQUIREMENTS.****# 003 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

Pursuant to 40 CFR §§ 52.21(aa)(7), (12) and (13):

- (a) The permittee shall perform monitoring of source fuel consumption rates, at minimum, on a monthly basis, as well as 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 SO<sub>2</sub> PAL level, unless additional monitoring and/or recordkeeping is otherwise determined by the Department as necessary to verify compliance with the SO<sub>2</sub> 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 monitoring for SO<sub>2</sub> PAL emissions compliance and determine the total annual mass emissions of SO<sub>2</sub> (12-month rolling sum totals per calendar month basis) for each the affected emission units below associated with Source IDs, 032, P310 and P313, using its respective SO<sub>2</sub> emission factor below, and based on the No. 2 fuel oil sulfur testing and source fuel usage monitoring data as required herein.
- (i) 0.00003 (3E-5) pound SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> 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 SO<sub>2</sub> per scf of natural gas usage for the Source ID P310 rotary stone dryer (heat input equal to 10 MMBtu/hr approximately).

**# 004 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

Pursuant to 40 CFR §§ 52.21(aa)(7), (12) and (13):

- (a) The permittee shall perform continuous monitoring of total engine hours of operation, as well as 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 associated with Source IDs P320A, P321 and P328 on a calendar month basis 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 SO<sub>2</sub> PAL level, unless additional monitoring and/or recordkeeping is otherwise determined by the Department as necessary to verify compliance with the SO<sub>2</sub> 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 monitoring for SO<sub>2</sub> PAL emissions compliance and determine the total annual mass emissions of SO<sub>2</sub> (12-month rolling sum totals per calendar month basis) for each the affected emission units below associated with Source IDs 032, P313, P320A, P321 and P328, using its respective SO<sub>2</sub> emission factor below, and based on the diesel fuel sulfur testing and source operating time (hours of operation) monitoring as required herein.

**SECTION E. Source Group Restrictions.**

- (i) 0.002 pound SO<sub>2</sub> per hours of operation for the CalAg engine (136 hp) associated with Source ID P320A;
- (ii) 0.002 pound SO<sub>2</sub> per hours of operation for the Kiln 6 auxiliary/emergency engine (121 hp) associated Source ID P321;
- (iii) 0.002 pound SO<sub>2</sub> per hours of operation for the Kiln 7 auxiliary/emergency engine (158 hp) associated Source ID P321;
- (iv) 0.006 pound SO<sub>2</sub> per hours of operation for the Kiln 7 Powerhouse/emergency engine (475 hp) associated Source ID P321;
- (v) 0.003 pound SO<sub>2</sub> per hours of operation for the Generac emergency generator (200 hp) associated Source ID P321;
- (vi) 0.001 pound SO<sub>2</sub> per hours of operation for the Winterization engine 1 (18.1 hp) referenced in section H (Misc.) herein;
- (vii) 0.001 pound SO<sub>2</sub> per hours of operation for the Winterization engine 2 (18.1 hp) referenced in section H (Misc.) herein;
- (viii) 0.001 pound SO<sub>2</sub> per hours of operation for the Kiln 8 emergency generator (50 kW) associated Source ID P328; and
- (ix) 0.001 pound SO<sub>2</sub> per hours of operation for the Source ID 032 oil-fired heater (0.44 MMBtu/hr).

**# 005 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

[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 sulfur dioxide (SO<sub>2</sub>) 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 SO<sub>2</sub> 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 SO<sub>2</sub> (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.

(d) Pursuant to 25 Pa. Code Sections 139.101, the required relative accuracy testing shall be completed on each kilns SO<sub>2</sub> CEMS installation used to establish SO<sub>2</sub> PAL emissions compliance.

[Compliance with the above requirements in paragraph (d) will assure compliance with the re-validation requirements as applicable pursuant to 40 CFR § 52.21(aa)(12)(ix)]

**IV. RECORDKEEPING REQUIREMENTS.****# 006 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

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 SO<sub>2</sub> PAL effective period plus five years.

(1) A copy of the SO<sub>2</sub> 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.

**# 007 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

(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 SO<sub>2</sub> emissions calculations on a facility-wide basis along with the supporting data and any other background information used to verify compliance with the SO<sub>2</sub> PAL level noted above under restrictions.

(b) At minimum, for each SO<sub>2</sub> emitting source or unit, at this facility, this information shall be including the total annual SO<sub>2</sub> 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 determine SO<sub>2</sub> PAL emissions compliance as required in accordance with recordkeeping requirements within section B, herein.

**SECTION E. Source Group Restrictions.****# 008 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

Pursuant to 40 CFR §§ 52.21(aa)(7), (12) and (13), for each accepted shipment or delivery of No. 2 fuel oil, and diesel, the permittee shall obtain and maintain records of the fuel analysis reports from supplier(s) and shall verify that the representative fuel testing and analysis data demonstrates compliance in accordance with the applicable testing method and other requirements of 25 Pa. Code Chapter 139. In lieu of performing sampling and analysis on each of the received deliveries, the permittee shall obtain a copy of the fuel shipment analysis report from the fuel supplier(s), to verify compliance with the applicable maximum allowable sulfur content. The analysis report shall be signed and certified by the responsible individual(s) representing the fuel supplier(s). The certification shall be as follows, "based on information and belief formed after reasonable inquiry, the results contained in the fuel shipment analysis report are true, accurate and complete. Additionally, other records of the site-specific natural gas data and other propane fuel composition information used to establish SO<sub>2</sub> PAL permit compliance shall be maintained by the permittee in accordance with the recordkeeping requirements of section B herein to verify compliance.

**V. REPORTING REQUIREMENTS.****# 009 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

- (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 SO<sub>2</sub> from the facility and the supporting calculations/documentation that was used to verify SO<sub>2</sub> PAL emissions compliance including the annual SO<sub>2</sub> 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 SO<sub>2</sub> emissions.
  - (7) The identification of owner and operator and the permit number.
- (b) The SO<sub>2</sub> PAL emissions semiannual compliance reports shall continue to 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 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

Pursuant to 40 CFR § 52.21(aa)(7)(ix), the permittee shall submit reports of deviations or exceedance of the SO<sub>2</sub> PAL requirements in accordance with 40 CFR § 52.21(aa)(14)(ii).

**# 011 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

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.

**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).

**VII. ADDITIONAL REQUIREMENTS.****# 012 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

(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 SO<sub>2</sub> emissions calculations for the facility consistent with all applicable requirements under 40 CFR § 52.21(aa) in order to verify compliance with the SO<sub>2</sub> 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 SO<sub>2</sub> PAL as applicable pursuant 40 CFR §§ 52.21(aa)(4)(i)&(ii).

**# 013 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

(A) Pursuant to 40 CFR §§ 52.21(aa)(7)(iii) and (aa)(10)(ii), the permittee shall submit an application to renew the SO<sub>2</sub> PAL at least 6 months prior to, but not earlier than 18 months from, the date of SO<sub>2</sub> PAL permit expiration. Moreover, if a complete renewal application is submitted within this time period, then the SO<sub>2</sub> PAL shall not expire at the end of the SO<sub>2</sub> PAL effective period specified herein and it shall continue to be effective until a revised permit with the renewed SO<sub>2</sub> PAL is issued.

(B) Pursuant to 40 CFR § 52.21(aa)(10)(iii), a complete application to renew the SO<sub>2</sub> 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.

(C) The provisions of 40 CFR §§ 52.21(aa)(5) and (10) are applicable to the renewal of the SO<sub>2</sub> PAL permit.

**# 014 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

Neither the issuance of this significant operating permit modification (DEP Auth 1397000) nor the SO<sub>2</sub> PAL prevents the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards.

**# 015 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

Pursuant to the provisions of 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 SO<sub>2</sub> emissions so long as the permittee complies with the SO<sub>2</sub> PAL as well as all conditions for the SO<sub>2</sub> PAL as specified herein. Any increase in the emissions above the SO<sub>2</sub> PAL level may trigger additional requirements pursuant to PSD. The permittee, and this facility, shall comply with all the requirements listed within or under 40 CFR § 52.21(aa).

**# 016 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

**SECTION E. Source Group Restrictions.**

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 SO<sub>2</sub> that occur during the SO<sub>2</sub> PAL effective period creditable as decreases for purposes of offsets under 40 CFR § 51.165(a)(3)(ii) unless the level of the SO<sub>2</sub> PAL is reduced by the amount of such emissions reductions and such reductions would be creditable in the absence of the SO<sub>2</sub> PAL.

**# 017 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

The SO<sub>2</sub> PAL level established by this permit (SO<sub>2</sub> 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.

**# 018 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

(A) In accordance with 40 CFR § 52.21(aa)(8)(ii)(a), the SO<sub>2</sub> PAL shall be opened to:

(1) Correct typographical/calculation errors made in setting the SO<sub>2</sub> PAL or reflect a more accurate determination of emissions used to establish the level of the SO<sub>2</sub> PAL;

(2) Reduce the SO<sub>2</sub> 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 SO<sub>2</sub> PAL to reflect an increase in the SO<sub>2</sub> PAL level as provided under paragraph (aa)(11) of § 52.21.

(B) In accordance with 40 CFR § 52.21(aa)(8)(ii)(b), the SO<sub>2</sub> PAL shall, at the discretion of the Department, be opened to:

(1) Reduce the SO<sub>2</sub> PAL to reflect newly applicable Federal requirements (for example, NSPS) with compliance dates after the PAL effective date;

(2) Reduce the SO<sub>2</sub> 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 SO<sub>2</sub> 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.

**# 019 [40 CFR Part 52 Approval And Promulgation of Implementation Plans §40 CFR 52.21 (aa)]****Subpart A--General Provisions****Actual PALs**

Pursuant to 40 CFR § 52.21(aa)(9), the SO<sub>2</sub> PAL expires at the end of the SO<sub>2</sub> PAL effective period unless otherwise specified herein. As applicable, if the SO<sub>2</sub> PAL expires, the permittee shall submit an application to comply with the requirements listed within or under 40 CFR 52.21 (aa)(9) to the Department for review and approval.

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

**SECTION E. Source Group Restrictions.**

Group Name: STONE

Group Description: M9 recordkeeping conditions for stone handling sources subject to BAT opacity restriction

**Sources included in this group**

ID	Name
P275	CRUSHING/SIZING/STORAGE OPERATIONS [PG]
P308	LIMESTONE SCREENING [PG]
P310	PULVERIZED LIMESTONE SYSTEM [PG]
P322	MINE OPTIMIZATION SYSTEM [PG]
P409	KILN 6 & 7 STONE RECLAIM [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.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall keep records, in a logbook or electronically, that demonstrate conformance with the permit condition that requires quarterly EPA Reference Test Method 9 testing, as specified under testing requirements, including the date and time, the operating conditions and description of the visual background as existing at the time of each test, the results of the testing, and the initials of plant personnel that conducted the testing.

**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 E. Source Group Restrictions.**

Group Name: WATER CONTROL

Group Description: conditions for sources with wet suppression equipped or rely on moisture carryover from upstre

**Sources included in this group**

ID	Name
P308	LIMESTONE SCREENING [PG]
P320	CAL-AG SYSTEM [PG]
P322	MINE OPTIMIZATION SYSTEM [PG]
P399	PRIMARY CRUSHING OPERATIONS [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.**

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.**

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

The permittee shall perform monthly inspections on the wet suppression system associated with this Source ID, including wet suppression system(s) that are relied upon for water carryover, to check that water is flowing to discharge spray nozzles in the wet suppression system. 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.

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

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

The permittee shall keep records that demonstrate conformance with the permit condition that requires monthly wet suppression system inspections, as specified under monitoring requirements, including the date as existing at the time of each inspection and any corrective action taken in a logbook or electronically.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

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

(a) The wet suppression system associated with this Source ID shall be connected to an on-demand water source that is capable of flowing water to discharge spray nozzles at any time this Source ID is in operation. For purposes of this permit condition, on-demand means that the ability to supply adequate water to the process involves no more effort than turning a valve.

(b) If at any time the wet suppression system is unable to meet the requirements of paragraph (a) of this permit condition, due to freezing weather, or for any other reason, this Source ID shall not be operated during these periods.

\*\*\* **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 the sources from compliance with all applicable State and Federal regulations, including all applicable regulations specified in 25 Pa. Code Chapters 121-145:

1. Winterization Heater/Engine 1 (see section E herein relating to PAL permit renewal conditions for additional requirements applicable to this unit);
2. Winterization Heater/Engine 2 (see section E herein relating to PAL permit renewal conditions for additional requirements applicable to this unit); and
3. Small storage tanks including 2000 gallon underground gasoline tank; 1450 gallon sulfuric acid tank; 1000 gallon antifreeze tank; 2-550 gallon antifreeze tanks; 540 gallon sodium hypochlorite tank; 2-100 gallon plastic tanks containing citric acid solution; 4-80 gallon plastic tanks, CL-1283, CL-1302, CL-1558, CL-1770; 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 \*\*\*\*\*

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