



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: April 11, 2018

Effective Date: April 15, 2018

Expiration Date: April 14, 2023

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 unless otherwise designated.

State Only Permit No: 23-00100

Federal Tax Id - Plant Code: 23-1699847-28

Owner Information

Name: H & K GROUP INC
Mailing Address: PO BOX 196
2052 LUCON RD
SKIPPACK, PA 19474-0196

Plant Information

Plant: PYRAMID MATERIALS A DIV. H & K GROUP
Location: 23 Delaware County 23006 Aston Township
SIC Code: 1429 Mining - Crushed And Broken Stone, Nec

Responsible Official

Name: H CHRISTIAN BUDENZ
Title: VP/ASST SECRETARY
Phone: (610) 584 - 8500

Permit Contact Person

Name: SCOTT TAYLOR
Title: AIR QUALITY PERMIT ADMIN
Phone: (610) 222 - 3594

[Signature] _____
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

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Source ID	Source Name	Capacity/Throughput	Fuel/Material
102	PRIMARY FEEDER	400.000 Tons/HR	STONE
103	PRIMARY CRUSHER	400.000 Tons/HR	STONE
104	SCALPING SCREEN	400.000 Tons/HR	STONE
106	SECONDARY CRUSHER	300.000 Tons/HR	STONE
110	CONVEYING & HANDLING SYSTEM	7,200.000 Tons/HR	STONE
C101	WET DUST SUPPRESSION SYSTEM	N/A	WATER
C102	WATER TRUCK	N/A	WATER
Z101	FUGITIVE EMISSIONS		

PERMIT MAPS



SECTION B. General State Only 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 in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

- (a) 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.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating 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.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(c)]

Permit Renewal.

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. 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.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
 - (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) 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.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) 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 as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
 - (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

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modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

Transfer of Operating Permits.

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and 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 a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]

Inspection and Entry.

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

(1) Enter at reasonable times upon the permittee's premises where a 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, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any 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, any 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 or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(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.

#007 [25 Pa. Code §§ 127.441 & 127.444]

Compliance Requirements.

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

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a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one 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 for the source is 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 State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]

Operating Permit Modifications

- (a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

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significant operating permit modifications, under this permit, as outlined below:

(b) Administrative Amendments. The permittee shall make administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#012 [25 Pa. Code § 127.441]

Severability Clause.

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

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. 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.

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

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

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

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

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

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

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

SECTION B. General State Only Requirements

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
 - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
 - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility 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.
- (e) 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 (c)(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 this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (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, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making 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.

#014 [25 Pa. Code § 127.3]

Operational Flexibility.

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (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)

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(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]

Reactivation

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(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).

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]

Circumvention.

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 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]

Reporting Requirements.

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) 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 in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

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records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]

Sampling, Testing and Monitoring Procedures.

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]

Recordkeeping.

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

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

(b) The permittee shall retain records of any 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.

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

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

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §121.7]

Prohibition of air pollution.

No person may permit air pollution as that term is defined in the Air Pollution Control Act 35 P.S. (Section 4003).

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

- (a) construction or demolition of buildings or structures.
- (b) grading, paving and maintenance of roads and streets.
- (c) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) clearing of land.
- (e) stockpiling of materials.
- (f) open burning operations, as specified in 25 Pa. Code § 129.14.
- (g) blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (h) coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).
- (i) sources and classes of sources other than those identified in (a)-(h), 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:
 - (1) the emissions are of minor significance with respect to causing air pollution; and
 - (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [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 Condition #002(a) -- (i) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

004 [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.

005 [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:

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

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

006 [25 Pa. Code §123.42]

Exceptions

The limitations of Condition #005, of this Section, shall not apply to a visible emission in any of the following instances:

(a) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.

(b) When the emission results from sources specified in Condition #002, of this Section.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The total particulate matter emissions from the facility shall not exceed 5.9 tons per year as PM10 or PM2.5 *.

[Note: * particulate matter less than 10 microns (PM10) and particulate matter less than 2.5 microns (PM2.5).]

008 [25 Pa. Code §129.14]

Open burning operations

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

(a) a fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(b) any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.

(c) a fire set for the prevention and control of disease or pests, when approved by the Department.

(d) a fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

(e) a fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure.

(f) a fire set solely for recreational or ceremonial purposes.

(g) a fire set solely for cooking food.

Throughput Restriction(s).

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Only nonmetallic mineral may be processed at this facility. Nonmetallic mineral means any of the following minerals or any mixture of which the majority is any of the following minerals:

Crushed and broken stone, including limestone, dolomite, granite, traprock, sandstone, quartz, quartzite, marl, marble, slate, shale, oil shale, and shell.

(b) Nonmetallic minerals do not include coals of any type.

II. TESTING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed

SECTION C. Site Level Requirements

necessary by the Department to determine the actual emission rate(s).

(b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.

011 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the facility, once per operating day, for the following:

- (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
- (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42).; and
- (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, which may cause annoyance or discomfort to the public noticed at the site property boundaries that are caused or may be caused by operations at the site, as well as fugitive particulate emissions that originated on-site and cross the property line, and visible emissions that originated on site shall:

- (1) be investigated;
- (2) be reported to the facility management, or individual(s) designated by the permittee;
- (3) have appropriate corrective action taken (for emissions that originate on-site); and
- (4) be recorded in a permanent written log.

(c) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or Department findings.

IV. RECORDKEEPING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) emissions increase of minor significance without notification to the Department.
- (b) de minimis increases with notification to the Department, via letter.
- (c) increases resulting from a Request for Determination (RFD) to the Department.
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep a log of the dates and time of application of water to the roadways.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

SECTION C. Site Level Requirements

The permittee shall calculate and record particulate matter emissions for the facility, as PM₁₀ and PM_{2.5}, on a monthly and on a 12-month rolling sum basis.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviation shall contain, at a minimum, the following items:

- (a) date, time, and location of the incident(s).
- (b) the cause of the event.
- (c) the corrective action taken, if necessary, to abate the situation and prevent future occurrences.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records, reports and analysis generated to meet the requirements of this Operating Permit shall be maintained for a period of five years and made readily available to the Department upon request.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall record the following information on a daily basis:
 - (1) The amount of material delivered to the nonmetallic mineral processing plant, which includes Sources 102, 103, 104, 106, and 110.
 - (2) The hours of operation of the entire nonmetallic mineral processing plant
- (b) The permittee shall calculate and record the total amount of material delivered to the entire nonmetallic mineral processing plant and the total hours of operation for the entire nonmetallic mineral processing plant on a monthly and on a 12-month rolling sum basis.

V. REPORTING REQUIREMENTS.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR Part 68.]

- (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 threshold quantity at a 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 40 CFR § 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.

SECTION C. Site Level Requirements

(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 this 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 this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

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

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

(a) The Department address for submissions required by this Operating Permit is:

Regional Air Quality Manager
PA Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

(b) The EPA address for submissions required by this Operating Permit is:

Office of Air Enforcement and Compliance Assistance (3AP20)
Air Protection Division
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

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

All requests, reports, applications, submittals, and other communications to the Administrator, under this permit shall be submitted to both the U.S. Environmental Protection Agency and to the Department.

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

(a) The permittee shall, within two (2) hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source(s) or associated air pollution control devices listed in Section A, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or of a regulation contained in 25 Pa. Code Article III.

(b) Malfunction(s) which occur at this facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

SECTION C. Site Level Requirements

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain recordkeeping formats for this Operating Permit as previously approved by the Department.

024 [25 Pa. Code §135.3]

Reporting

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

If the permittee has been previously advised by the Department to submit a source report, the permittee shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from 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, including those sources listed in the Miscellaneous Section of this permit.

The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

VI. WORK PRACTICE REQUIREMENTS.

025 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in Condition #002, above, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following

- (a) use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) paving and maintenance of roadways.
- (d) 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 by other means.

026 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the source(s) and air pollution control devices(s) listed in Section A and Section G, where applicable, of this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #013(g), of Section B, of this permit.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable

SECTION C. Site Level Requirements

limitations, if at any time the operation of the source(s) identified in Section A, of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

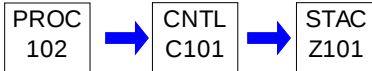
No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 102

Source Name: PRIMARY FEEDER

Source Capacity/Throughput: 400.000 Tons/HR STONE



I. RESTRICTIONS.

Throughput Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The rated capacity of the Primary Feeder (Source ID: 102) shall be 400 tons per hour (TPH).

(b) The hourly throughput of stone through the Primary Feeder (Source ID: 102) shall not exceed the rated capacity.

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a visible emissions opacity test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. The test 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. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of this manual has been revised since approval, a new protocol must be submitted for approval.

(b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) The test shall, at a minimum, test for visible emissions/opacity. Tests shall be conducted in accordance with the provisions of EPA Method 9 (Visual Opacity) or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall monitor the total amount of stone processed through the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a daily basis.

(b) The permittee shall monitor the hours of operation of the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a daily basis.

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

The permittee shall monitor the PM10/PM2.5* emissions from the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a monthly basis.

[Note: *particulate matter less than 10 microns/particulate matter less than 2.5 microns.]

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

The permittee shall monitor visible emissions from this source on a daily basis, when the source is in operation.

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

(a) The permittee shall record the total amount of stone processed through the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a daily basis.

(b) The permittee shall record the hours of operation of the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a daily basis.

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

The permittee shall record the PM10/PM2.5* emissions from the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a monthly basis.

[Note: *particulate matter less than 10 microns/particulate matter less than 2.5 microns.]

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

The permittee shall keep records of the daily visible and fugitive particulate emissions readings, required in this section.

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

[Additional authority for this permit condition is also derived from 40 CFR §§60.670 and 60.676.]

(a) When existing equipment is replaced by a piece of equipment of equal or smaller size, as defined in §60.671, having the same function as the existing equipment, and there is no increase in the amount of emissions, the new equipment is exempt from the provisions of §§60.672, 60.674, and 60.675. The owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in this paragraph and must comply with the provisions of §§60.672, 60.674 and 60.675.

(b) The owner or operator complying with paragraph (a)(1) shall submit the following information about the existing equipment being replaced and the replacement piece of equipment:

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

(i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and

(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

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

SECTION D. Source Level Requirements

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

(3) For a conveyor belt:

(i) The width of the existing belt being replaced.

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

(i) The rated capacity in megagrams or tons of the existing storage bin being replaced.

(ii) The rated capacity in megagrams or tons of replacement storage bins.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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 the applicable permit conditions. The summary results will include, at a minimum, the following information:

(a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(b) permit number(s) and condition(s) which are the basis for the evaluation.

(c) summary of results with respect to each applicable permit condition.

(d) statement of compliance or non-compliance with each applicable permit condition.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 25 Pa. Code Sections 139.53(a)(1) and 139.53(a)(3) all testing submittals, besides notifications, shall be accomplished through PSIMS* Online through

<http://www.depgreenport.state.pa.us/ecommm/Login.jsp>

If internet submittal cannot be accomplished or is not available, two copies of the submittal shall be mailed to the Department.

VI. WORK PRACTICE REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The wet dust suppression system (WDSS) (Source ID: C101) associated with the Primary Feeder (Source ID: 102) shall be operated on any and all occasions that the Primary Feeder (Source ID: 102) is operated, except in those unusual circumstances where conditions are such that operation of the Primary Feeder (Source ID: 102) without the simultaneous operation of the WDSS (Source ID: C101) can take place without creating fugitive emissions in excess of the limitations specified in this permit. If, however, the WDSS (Source ID: C101) associated with the Primary Feeder (Source ID: 102) is incapable of operation due to weather conditions or any other reason, the primary feeder may not be operated at all.

(b) The WDSS (Source ID: C101) shall be operated efficiently and shall not at any time cause the emission of fugitive air contaminants from the controlled sources in excess of the limitations specified in 25 Pa. Code § 123.1.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Monitoring of operations.

SECTION D. Source Level Requirements

(a) The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under §60.676(b).

(b) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under §60.676(b) must specify the control mechanism being used instead of the water sprays.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) are subject to 40 C.F.R., Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Primary Feeder (Source ID: 102) shall be a Allis Chalmers Model 42 x 20.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Prior to any addition of sources to or modification of the Primary Feeder (Source ID: 102) and/or the Primary Crusher (Source ID: 103), as described by 25 Pa. Code § 121.1, the permittee shall either submit a Request for Determination of Requirement for Plan Approval/Operating Permit (RFD) or submit a Plan Approval application, whichever is appropriate.

(b) There shall be no change in the transfer points associated with the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103).

(c) Emissions of particulate matter from the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) and associated equipment shall be controlled by a wet dust suppression system (WDSS).

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Applicability and designation of affected facility.

The owner or operator shall comply with all conditions of 40 CFR 60, Subpart OOO where applicable. Whenever a conflict occurs, with any of the regulations listed below, the owner or operator shall, in all cases, meet the more stringent requirement:

(a) 25 Pa. Code §§ 123.1, 123.2, and 123.13(c).

018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Test methods and procedures.

(ii) The duration of the Method 9 (40 CFR part 60, Appendix A-4) observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than 1 hour at a time.

(3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) or §60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages.

SECTION D. Source Level Requirements

(d) To demonstrate compliance with the fugitive emission limits for buildings specified in §60.672(e)(1), the owner or operator must complete the testing specified in paragraph (d)(1) and (2) of this section. Performance tests must be conducted while all affected facilities inside the building are operating.

(1) If the building encloses any affected facility that commences construction, modification, or reconstruction on or after April 22, 2008, the owner or operator of the affected facility must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11.

(2) If the building encloses only affected facilities that commenced construction, modification, or reconstruction before April 22, 2008, and the owner or operator has previously conducted an initial Method 22 (40 CFR part 60, Appendix A-7) performance test showing zero visible emissions, then the owner or operator has demonstrated compliance with the opacity limit in §60.672(e)(1). If the owner or operator has not conducted an initial performance test for the building before April 22, 2008, then the owner or operator must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11 to show compliance with the opacity limit in §60.672(e)(1).

(e) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For the method and procedure of paragraph (c) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

(2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

(i) No more than three emission points may be read concurrently.

(ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

(3) Method 5I of Appendix A-3 of this part may be used to determine the PM concentration as an alternative to the methods specified in paragraph (b)(1) of this section. Method 5I (40 CFR part 60, Appendix A-3) may be useful for affected facilities that operate for less than 1 hour at a time such as (but not limited to) storage bins or enclosed truck or railcar loading stations.

(4) In some cases, velocities of exhaust gases from building vents may be too low to measure accurately with the type S pitot tube specified in EPA Method 2 of Appendix A-1 of this part [i.e., velocity head <1.3 mm H₂O (0.05 in. H₂O)] and referred to in EPA Method 5 of Appendix A-3 of this part. For these conditions, the owner or operator may determine the average gas flow rate produced by the power fans (e.g., from vendor-supplied fan curves) to the building vent. The owner or operator may calculate the average gas velocity at the building vent measurement site using Equation 1 of this section and use this average velocity in determining and maintaining isokinetic sampling rates.

$$V_e = Q_f / A_e \quad (\text{eq. 1})$$

Where:

V_e = average building vent velocity (feet per minute);

Q_f = average fan flow rate (cubic feet per minute); and

A_e = area of building vent and measurement location (square feet).

SECTION D. Source Level Requirements

(f) To comply with §60.676(d), the owner or operator shall record the measurements as required in §60.676(c) using the monitoring devices in §60.674 (a)(1) and (2) during each particulate matter run and shall determine the averages.

**# 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR Part 60 Subpart 000 Table 3]
Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants
Fugitive Emission Limits**

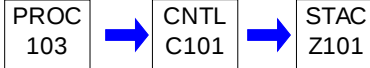
For affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, the owner or operator must meet the 10 percent opacity emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671).

SECTION D. Source Level Requirements

Source ID: 103

Source Name: PRIMARY CRUSHER

Source Capacity/Throughput: 400.000 Tons/HR STONE



I. RESTRICTIONS.

Throughput Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The rated capacity of the Primary Crusher (Source ID: 103) shall be 400 tons per hour (TPH).
- (b) The hourly throughput of stone through the Primary Crusher (Source ID: 103) shall not exceed the rated capacity.

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall perform a visible emissions opacity test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. The test 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. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of this manual has been revised since approval, a new protocol must be submitted for approval.
- (b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
- (c) The test shall, at a minimum, test for visible emissions/opacity. Tests shall be conducted in accordance with the provisions of EPA Method 9 (Visual Opacity) or other Department approved methodology and 25 Pa. Code Chapter 139.
- (d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
- (e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
- (f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall monitor the total amount of stone processed through the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a daily basis.
- (b) The permittee shall monitor the hours of operation of the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a daily basis.

SECTION D. Source Level Requirements

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the PM10/PM2.5* emissions from the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a monthly basis.

[Note: *particulate matter less than 10 microns/particulate matter less than 2.5 microns.]

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor visible emissions from this source on a daily basis, when the source is in operation.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall record the total amount of stone processed through the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a daily basis.

(b) The permittee shall record the hours of operation of the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a daily basis.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the PM10/PM2.5* emissions from the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) on a monthly basis.

[Note: *particulate matter less than 10 microns/particulate matter less than 2.5 microns.]

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the daily visible and fugitive particulate emissions readings, required in this section.

V. REPORTING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR §§60.670 and 60.676.]

(a) When existing equipment is replaced by a piece of equipment of equal or smaller size, as defined in §60.671, having the same function as the existing equipment, and there is no increase in the amount of emissions, the new equipment is exempt from the provisions of §§60.672, 60.674, and 60.675. The owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in this paragraph and must comply with the provisions of §§60.672, 60.674 and 60.675.

(b) The owner or operator complying with paragraph (a)(1) shall submit the following information about the existing equipment being replaced and the replacement piece of equipment:

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

(i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and

(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

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

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

(3) For a conveyor belt:

(i) The width of the existing belt being replaced.

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

(i) The rated capacity in megagrams or tons of the existing storage bin being replaced.

(ii) The rated capacity in megagrams or tons of replacement storage bins.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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 the applicable permit conditions. The summary results will include, at a minimum, the following information:

(a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.

(b) permit number(s) and condition(s) which are the basis for the evaluation.

(c) summary of results with respect to each applicable permit condition.

(d) statement of compliance or non-compliance with each applicable permit condition.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 25 Pa. Code Sections 139.53(a)(1) and 139.53(a)(3) all testing submittals, besides notifications, shall be accomplished through PSIMS* Online through

<http://www.depgreenport.state.pa.us/ecommm/Login.jsp>

If internet submittal cannot be accomplished or is not available, two copies of the submittal shall be mailed to the Department.

VI. WORK PRACTICE REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The wet dust suppression system (WDSS) (Source ID: C101) associated with the Primary Crusher (Source ID: 103) shall be operated on any and all occasions that the Primary Crusher (Source ID: 103) is operated, except in those unusual circumstances where conditions are such that operation of the Primary Crusher (Source ID: 103) without the simultaneous operation of the WDSS (Source ID: C101) can take place without creating fugitive emissions in excess of the limitations specified in this permit. If, however, the WDSS (Source ID: C101) associated with the Primary Crusher (Source ID: 103) is incapable of operation due to weather conditions or any other reason, the primary crusher may not be operated at all.

(b) The WDSS (Source ID: C101) shall be operated efficiently and shall not at any time cause the emission of fugitive air contaminants from the controlled sources in excess of the limitations specified in 25 Pa. Code § 123.1.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Monitoring of operations.

SECTION D. Source Level Requirements

(a) The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under §60.676(b).

(b) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under §60.676(b) must specify the control mechanism being used instead of the water sprays.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) are subject to 40 C.F.R. Part 60, Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Primary Crusher (Source ID: 103) shall be a Allis Chalmers Model 3042.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Prior to any addition of sources to or modification of the Primary Feeder (Source ID: 102) and/or Primary Crusher (Source ID: 103), as described by 25 Pa. Code § 121.1, the permittee shall either submit a Request for Determination of Requirement for Plan Approval/Operating Permit (RFD) or submit a Plan Approval application, whichever is appropriate.

(b) There shall be no change in the transfer points associated with the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103).

(c) Emissions of particulate matter from the Primary Feeder (Source ID: 102) and the Primary Crusher (Source ID: 103) and associated equipment shall be controlled by a wet dust suppression system (WDSS).

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Applicability and designation of affected facility.

The owner or operator shall comply with all conditions of 40 CFR 60, Subpart 000 where applicable. Whenever a conflict occurs, with any of the regulations listed below, the owner or operator shall, in all cases, meet the more stringent requirement:

(a) 25 Pa. Code §§ 123.1, 123.2, and 123.13(c).

018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Test methods and procedures.

(ii) The duration of the Method 9 (40 CFR part 60, Appendix A-4) observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than 1 hour at a time.

(3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) or §60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages.

SECTION D. Source Level Requirements

(d) To demonstrate compliance with the fugitive emission limits for buildings specified in §60.672(e)(1), the owner or operator must complete the testing specified in paragraph (d)(1) and (2) of this section. Performance tests must be conducted while all affected facilities inside the building are operating.

(1) If the building encloses any affected facility that commences construction, modification, or reconstruction on or after April 22, 2008, the owner or operator of the affected facility must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11.

(2) If the building encloses only affected facilities that commenced construction, modification, or reconstruction before April 22, 2008, and the owner or operator has previously conducted an initial Method 22 (40 CFR part 60, Appendix A-7) performance test showing zero visible emissions, then the owner or operator has demonstrated compliance with the opacity limit in §60.672(e)(1). If the owner or operator has not conducted an initial performance test for the building before April 22, 2008, then the owner or operator must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11 to show compliance with the opacity limit in §60.672(e)(1).

(e) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For the method and procedure of paragraph (c) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

(2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

(i) No more than three emission points may be read concurrently.

(ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

(3) Method 5I of Appendix A-3 of this part may be used to determine the PM concentration as an alternative to the methods specified in paragraph (b)(1) of this section. Method 5I (40 CFR part 60, Appendix A-3) may be useful for affected facilities that operate for less than 1 hour at a time such as (but not limited to) storage bins or enclosed truck or railcar loading stations.

(4) In some cases, velocities of exhaust gases from building vents may be too low to measure accurately with the type S pitot tube specified in EPA Method 2 of Appendix A-1 of this part [i.e., velocity head <1.3 mm H₂O (0.05 in. H₂O)] and referred to in EPA Method 5 of Appendix A-3 of this part. For these conditions, the owner or operator may determine the average gas flow rate produced by the power fans (e.g., from vendor-supplied fan curves) to the building vent. The owner or operator may calculate the average gas velocity at the building vent measurement site using Equation 1 of this section and use this average velocity in determining and maintaining isokinetic sampling rates.

$$V_e = Q_f / A_e \quad (\text{eq. 1})$$

Where:

V_e = average building vent velocity (feet per minute);

Q_f = average fan flow rate (cubic feet per minute); and

A_e = area of building vent and measurement location (square feet).

SECTION D. Source Level Requirements

(f) To comply with §60.676(d), the owner or operator shall record the measurements as required in §60.676(c) using the monitoring devices in §60.674 (a)(1) and (2) during each particulate matter run and shall determine the averages.

**# 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR Part 60 Subpart 000 Table 3]
Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants
Fugitive Emission Limits**

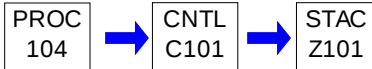
For affected facilities, as defined in §§60.670 and 60.671, that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, the owner or operator must meet the 15 percent opacity emissions limit for crushers at which a capture system is not used.

**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: SCALPING SCREEN

Source Capacity/Throughput: 400.000 Tons/HR STONE

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

(a) The rated capacity of the Scalping Screen (Source ID: 104) shall be 400 tons per hour (TPH).

(b) The hourly throughput of stone through the Scalping Screen (Source ID: 104) shall not exceed the rated capacity.

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

(a) The permittee shall perform a visible emissions opacity test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. The test 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. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of this manual has been revised since approval, a new protocol must be submitted for approval.

(b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(c) The test shall, at a minimum, test for visible emissions/opacity. Tests shall be conducted in accordance with the provisions of EPA Method 9 (Visual Opacity) or other Department approved methodology and 25 Pa. Code Chapter 139.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

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

The permittee shall monitor the PM₁₀/PM_{2.5}* emissions from the Scalping Screen (Source ID: 104) on a monthly basis.

[Note: *particulate matter less than 10 microns/particulate matter less than 2.5 microns.]

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

The permittee shall monitor the hours of operation of the Scalping Screen (Source ID: 104) on a daily basis.

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005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor visible emissions from this source on a daily basis, when the source is in operation.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the PM10/PM2.5* emissions from the Scalping Screen (Source ID: 104) on a monthly basis.

[Note: *particulate matter less than 10 microns/particulate matter less than 2.5 microns.]

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the hours of operation of the Scalping Screen (Source ID: 104) on a daily basis.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the daily visible and fugitive particulate emissions readings, required in this section.

V. REPORTING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR §§60.670 and 60.676.]

(a) When existing equipment is replaced by a piece of equipment of equal or smaller size, as defined in §60.671, having the same function as the existing equipment, and there is no increase in the amount of emissions, the new equipment is exempt from the provisions of §§60.672, 60.674, and 60.675. The owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in this paragraph and must comply with the provisions of §§60.672, 60.674 and 60.675.

(b) The owner or operator complying with paragraph (a)(1) shall submit the following information about the existing equipment being replaced and the replacement piece of equipment:

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

(i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and

(ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

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

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

(3) For a conveyor belt:

(i) The width of the existing belt being replaced.

(ii) The width of the replacement conveyor belt.

(4) For a storage bin:

(i) The rated capacity in megagrams or tons of the existing storage bin being replaced.

SECTION D. Source Level Requirements

(ii) The rated capacity in megagrams or tons of replacement storage bins.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 25 Pa. Code Sections 139.53(a)(1) and 139.53(a)(3) all testing submittals, besides notifications, shall be accomplished through PSIMS* Online through

<http://www.depgreenport.state.pa.us/ecommm/Login.jsp>

If internet submittal cannot be accomplished or is not available, two copies of the submittal shall be mailed to the Department.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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 the applicable permit conditions. The summary results will include, at a minimum, the following information:

- (a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
- (b) permit number(s) and condition(s) which are the basis for the evaluation.
- (c) summary of results with respect to each applicable permit condition.
- (d) statement of compliance or non-compliance with each applicable permit condition.

VI. WORK PRACTICE REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The wet dust suppression system (WDSS) (Source ID: C101) associated with the Scalping Screen (Source ID: 104) shall be operated on any and all occasions that the Scalping Screen (Source ID: 104) is operated, except in those unusual circumstances where conditions are such that operation of the Scalping Screen (Source ID: 104) without the simultaneous operation of the WDSS (Source ID: C101) can take place without creating fugitive emissions in excess of the limitations specified in this permit. If, however, the WDSS (Source ID: C101) associated with the Scalping Screen (Source ID: 104) is incapable of operation due to weather conditions or any other reason, the Scalping Screen (Source ID: 104) may not be operated at all.

(b) The WDSS (Source ID: C101) shall be operated efficiently and shall not at any time cause the emission of fugitive air contaminants from the controlled sources in excess of the limitations specified in 25 Pa. Code § 123.1.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants Monitoring of operations.

(a) The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under §60.676(b).

(b) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a

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control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under §60.676(b) must specify the control mechanism being used instead of the water sprays.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Scalping Screen (Source ID: 104) is subject to 40 C.F.R., Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Scalping Screen (Source ID: 104) shall be a Svedala Model 6 x 16 TDI.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Prior to any addition of sources to or modification of the Scalping Screen (Source ID: 104), as described by 25 Pa. Code § 121.1, the permittee shall either submit a Request for Determination of Requirement for Plan Approval/Operating Permit (RFD) or submit a Plan Approval application, whichever is appropriate.

(b) There shall be no change in the transfer points associated with the Scalping Screen (Source ID: 104).

(c) Emissions of particulate matter from the Scalping Screen (Source ID: 104) and associated equipment shall be controlled by a wet dust suppression system (WDSS).

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Applicability and designation of affected facility.

The owner or operator shall comply with all conditions of 40 CFR 60, Subpart OOO where applicable. Whenever a conflict occurs, with any of the regulations listed below, the owner or operator shall, in all cases, meet the more stringent requirement:

(a) 25 Pa. Code §§ 123.1, 123.2, and 123.13(c).

018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Test methods and procedures.

(ii) The duration of the Method 9 (40 CFR part 60, Appendix A-4) observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than 1 hour at a time.

(3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) or §60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages.

(d) To demonstrate compliance with the fugitive emission limits for buildings specified in §60.672(e)(1), the owner or operator must complete the testing specified in paragraph (d)(1) and (2) of this section. Performance tests must be conducted while all affected facilities inside the building are operating.

(1) If the building encloses any affected facility that commences construction, modification, or reconstruction on or after April 22, 2008, the owner or operator of the affected facility must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11.

(2) If the building encloses only affected facilities that commenced construction, modification, or reconstruction before April 22, 2008, and the owner or operator has previously conducted an initial Method 22 (40 CFR part 60, Appendix A-7)

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performance test showing zero visible emissions, then the owner or operator has demonstrated compliance with the opacity limit in §60.672(e)(1). If the owner or operator has not conducted an initial performance test for the building before April 22, 2008, then the owner or operator must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11 to show compliance with the opacity limit in §60.672(e)(1).

(e) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For the method and procedure of paragraph (c) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

(2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

(i) No more than three emission points may be read concurrently.

(ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

(3) Method 5I of Appendix A-3 of this part may be used to determine the PM concentration as an alternative to the methods specified in paragraph (b)(1) of this section. Method 5I (40 CFR part 60, Appendix A-3) may be useful for affected facilities that operate for less than 1 hour at a time such as (but not limited to) storage bins or enclosed truck or railcar loading stations.

(4) In some cases, velocities of exhaust gases from building vents may be too low to measure accurately with the type S pitot tube specified in EPA Method 2 of Appendix A-1 of this part [i.e., velocity head <1.3 mm H₂O (0.05 in. H₂O)] and referred to in EPA Method 5 of Appendix A-3 of this part. For these conditions, the owner or operator may determine the average gas flow rate produced by the power fans (e.g., from vendor-supplied fan curves) to the building vent. The owner or operator may calculate the average gas velocity at the building vent measurement site using Equation 1 of this section and use this average velocity in determining and maintaining isokinetic sampling rates.

$$V_e = Q_f / A_e \quad (\text{eq. 1})$$

Where:

V_e = average building vent velocity (feet per minute);

Q_f = average fan flow rate (cubic feet per minute); and

A_e = area of building vent and measurement location (square feet).

(f) To comply with §60.676(d), the owner or operator shall record the measurements as required in §60.676(c) using the monitoring devices in §60.674 (a)(1) and (2) during each particulate matter run and shall determine the averages.

019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR Part 60 Subpart 000 Table 3] Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants Fugitive Emission Limits

For affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, the owner or operator must meet the 10 percent opacity emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins,

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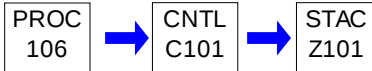
enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671).

SECTION D. Source Level Requirements

Source ID: 106

Source Name: SECONDARY CRUSHER

Source Capacity/Throughput: 300.000 Tons/HR STONE



I. RESTRICTIONS.

Throughput Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The rated capacity of the Secondary Crusher (Source ID: 106) shall be 300 tons per hour (TPH).
- (b) The hourly throughput of stone through the Secondary Crusher (Source ID: 106) shall not exceed the rated capacity.

II. TESTING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall perform a visible emissions opacity test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. The test 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. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of this manual has been revised since approval, a new protocol must be submitted for approval.
- (b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
- (c) The test shall, at a minimum, test for visible emissions/opacity. Tests shall be conducted in accordance with the provisions of EPA Method 9 (Visual Opacity) or other Department approved methodology and 25 Pa. Code Chapter 139.
- (d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
- (e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
- (f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

III. MONITORING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall monitor the total amount of stone processed through the Secondary Crusher (Source ID: 106) on a daily basis.
- (b) The permittee shall monitor the hours of operation of the Secondary Crusher (Source ID: 106) on a daily basis.

SECTION D. Source Level Requirements

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the PM10/PM2.5* emissions from the Secondary Crusher (Source ID: 106) on a monthly basis.

[Note: *particulate matter less than 10 microns/particulate matter less than 2.5 microns.]

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor visible emissions from this source on a daily basis, when the source is in operation.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall record the total amount of stone processed through the Secondary Crusher (Source ID: 106) on a daily basis.

(b) The permittee shall record the hours of operation of the Secondary Crusher (Source ID: 106) on a daily basis.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the PM10/PM2.5* emissions from the Secondary Crusher (Source ID: 106) on a monthly basis.

[Note: *particulate matter less than 10 microns/particulate matter less than 2.5 microns.]

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the daily visible and fugitive particulate emissions readings, required in this section.

V. REPORTING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR §§60.670 and 60.676.]

(a) When existing equipment is replaced by a piece of equipment of equal or smaller size, as defined in §60.671, having the same function as the existing equipment, and there is no increase in the amount of emissions, the new equipment is exempt from the provisions of §§60.672, 60.674, and 60.675. The owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in this paragraph and must comply with the provisions of §§60.672, 60.674 and 60.675.

(b) The owner or operator complying with paragraph (a)(1) shall submit the following information about the existing equipment being replaced and the replacement piece of equipment:

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

- (i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and
- (ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

- (i) The total surface area of the top screen of the existing screening operation being replaced.
- (ii) The total surface area of the top screen of the replacement screening operation.

SECTION D. Source Level Requirements

(3) For a conveyor belt:

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

(4) For a storage bin:

- (i) The rated capacity in megagrams or tons of the existing storage bin being replaced.
- (ii) The rated capacity in megagrams or tons of replacement storage bins.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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 the applicable permit conditions. The summary results will include, at a minimum, the following information:

- (a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
- (b) permit number(s) and condition(s) which are the basis for the evaluation.
- (c) summary of results with respect to each applicable permit condition.
- (d) statement of compliance or non-compliance with each applicable permit condition.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Pursuant to 25 Pa. Code Sections 139.53(a)(1) and 139.53(a)(3) all testing submittals, besides notifications, shall be accomplished through PSIMS* Online through

<http://www.depgreenport.state.pa.us/ecommm/Login.jsp>

If internet submittal cannot be accomplished or is not available, two copies of the submittal shall be mailed to the Department.

VI. WORK PRACTICE REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The wet dust suppression system (WDSS) (Source ID: C101) associated with the Secondary Crusher (Source ID: 106) shall be operated on any and all occasions that the Secondary Crusher (Source ID: 106) is operated, except in those unusual circumstances where conditions are such that operation of the Secondary Crusher (Source ID: 106) without the simultaneous operation of the WDSS (Source ID: C101) can take place without creating fugitive emissions in excess of the limitations specified in this permit. If, however, the WDSS (Source ID: C101) associated with the Secondary Crusher (Source ID: 106) is incapable of operation due to weather conditions or any other reason, the Secondary Crusher (Source ID: 106) may not be operated at all.
- (b) The WDSS (Source ID: C101) shall be operated efficiently and shall not at any time cause the emission of fugitive air contaminants from the controlled sources in excess of the limitations specified in 25 Pa. Code § 123.1.

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants Monitoring of operations.

SECTION D. Source Level Requirements

(a) The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under §60.676(b).

(b) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under §60.676(b) must specify the control mechanism being used instead of the water sprays.

VII. ADDITIONAL REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Secondary Crusher (Source ID: 106) is subject to 40 C.F.R., Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Secondary Crusher (Source ID: 106) shall be a Cedar Rapids Model 54 cone.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Prior to any addition of sources to or modification of the Secondary Crusher (Source ID: 106), as described by 25 Pa. Code § 121.1, the permittee shall either submit a Request for Determination of Requirement for Plan Approval/Operating Permit (RFD) or submit a Plan Approval application, whichever is appropriate.

(b) There shall be no change in the transfer points associated with the Secondary Crusher (Source ID: 106).

(c) Emissions of particulate matter from the Secondary Crusher (Source ID: 106) and associated equipment shall be controlled by a wet dust suppression system (WDSS).

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Applicability and designation of affected facility.

The owner or operator shall comply with all conditions of 40 CFR 60, Subpart OOO where applicable. Whenever a conflict occurs, with any of the regulations listed below, the owner or operator shall, in all cases, meet the more stringent requirement:

(a) 25 Pa. Code §§ 123.1, 123.2, and 123.13(c).

018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Test methods and procedures.

(ii) The duration of the Method 9 (40 CFR part 60, Appendix A-4) observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than 1 hour at a time.

(3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) or §60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages.

(d) To demonstrate compliance with the fugitive emission limits for buildings specified in §60.672(e)(1), the owner or

SECTION D. Source Level Requirements

operator must complete the testing specified in paragraph (d)(1) and (2) of this section. Performance tests must be conducted while all affected facilities inside the building are operating.

(1) If the building encloses any affected facility that commences construction, modification, or reconstruction on or after April 22, 2008, the owner or operator of the affected facility must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11.

(2) If the building encloses only affected facilities that commenced construction, modification, or reconstruction before April 22, 2008, and the owner or operator has previously conducted an initial Method 22 (40 CFR part 60, Appendix A-7) performance test showing zero visible emissions, then the owner or operator has demonstrated compliance with the opacity limit in §60.672(e)(1). If the owner or operator has not conducted an initial performance test for the building before April 22, 2008, then the owner or operator must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11 to show compliance with the opacity limit in §60.672(e)(1).

(e) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For the method and procedure of paragraph (c) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

(2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

(i) No more than three emission points may be read concurrently.

(ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

(3) Method 5I of Appendix A-3 of this part may be used to determine the PM concentration as an alternative to the methods specified in paragraph (b)(1) of this section. Method 5I (40 CFR part 60, Appendix A-3) may be useful for affected facilities that operate for less than 1 hour at a time such as (but not limited to) storage bins or enclosed truck or railcar loading stations.

(4) In some cases, velocities of exhaust gases from building vents may be too low to measure accurately with the type S pitot tube specified in EPA Method 2 of Appendix A-1 of this part [i.e., velocity head <1.3 mm H₂O (0.05 in. H₂O)] and referred to in EPA Method 5 of Appendix A-3 of this part. For these conditions, the owner or operator may determine the average gas flow rate produced by the power fans (e.g., from vendor-supplied fan curves) to the building vent. The owner or operator may calculate the average gas velocity at the building vent measurement site using Equation 1 of this section and use this average velocity in determining and maintaining isokinetic sampling rates.

$$V_e = Q_f / A_e \quad (\text{eq. 1})$$

Where:

V_e = average building vent velocity (feet per minute);

Q_f = average fan flow rate (cubic feet per minute); and

A_e = area of building vent and measurement location (square feet).

SECTION D. Source Level Requirements

(f) To comply with §60.676(d), the owner or operator shall record the measurements as required in §60.676(c) using the monitoring devices in §60.674 (a)(1) and (2) during each particulate matter run and shall determine the averages.

**# 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR Part 60 Subpart 000 Table 3]
Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants
Fugitive Emission Limits**

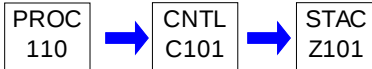
For affected facilities, as defined in §§60.670 and 60.671, that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, the owner or operator must meet the 15 percent opacity emissions limit for crushers at which a capture system is not used.

SECTION D. Source Level Requirements

Source ID: 110

Source Name: CONVEYING & HANDLING SYSTEM

Source Capacity/Throughput: 7,200.000 Tons/HR STONE

**I. RESTRICTIONS.**

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

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

- (a) The permittee shall perform a visible emissions opacity test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. The test 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. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of this manual has been revised since approval, a new protocol must be submitted for approval.
- (b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
- (c) The test shall, at a minimum, test for visible emissions/opacity. Tests shall be conducted in accordance with the provisions of EPA Method 9 (Visual Opacity) or other Department approved methodology and 25 Pa. Code Chapter 139.
- (d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
- (e) Within sixty (60) days after the source test(s), two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
- (f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

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

The permittee shall monitor the PM₁₀/PM_{2.5}* emissions from the Conveying and Handling System (Source ID: 110) on a monthly basis.

[Note: *particulate matter less than 10 microns/particulate matter less than 2.5 microns.]

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

The permittee shall monitor the hours of operation of the Conveying and Handling System (Source ID: 110) on a daily basis.

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

The permittee shall monitor visible emissions from this source on a daily basis, when the source is in operation.

SECTION D. Source Level Requirements

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the PM₁₀/PM_{2.5}* emissions from the Conveying and Handling System (Source ID: 110) on a monthly basis.

[Note: *particulate matter less than 10 microns/particulate matter less than 2.5 microns.]

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall record the hours of operation of the Conveying and Handling System (Source ID: 110) on a daily basis.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the daily visible and fugitive particulate emissions readings, required in this section.

V. REPORTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR §§60.670 and 60.676.]

(a) When existing equipment is replaced by a piece of equipment of equal or smaller size, as defined in §60.671, having the same function as the existing equipment, and there is no increase in the amount of emissions, the new equipment is exempt from the provisions of §§60.672, 60.674, and 60.675. The owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in this paragraph and must comply with the provisions of §§60.672, 60.674 and 60.675.

(b) The owner or operator complying with paragraph (a)(1) shall submit the following information about the existing equipment being replaced and the replacement piece of equipment:

(1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:

- (i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and
- (ii) The rated capacity in tons per hour of the replacement equipment.

(2) For a screening operation:

- (i) The total surface area of the top screen of the existing screening operation being replaced.
- (ii) The total surface area of the top screen of the replacement screening operation.

(3) For a conveyor belt:

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

(4) For a storage bin:

- (i) The rated capacity in megagrams or tons of the existing storage bin being replaced.
- (ii) The rated capacity in megagrams or tons of replacement storage bins.

009 [25 Pa. Code §127.441]

SECTION D. Source Level Requirements

Operating permit terms and conditions.

Pursuant to 25 Pa. Code Sections 139.53(a)(1) and 139.53(a)(3) all testing submittals, besides notifications, shall be accomplished through PSIMS* Online through

<http://www.depgreenport.state.pa.us/ecommm/Login.jsp>

If internet submittal cannot be accomplished or is not available, two copies of the submittal shall be mailed to the Department.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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 the applicable permit conditions. The summary results will include, at a minimum, the following information:

- (a) a statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
- (b) permit number(s) and condition(s) which are the basis for the evaluation.
- (c) summary of results with respect to each applicable permit condition.
- (d) statement of compliance or non-compliance with each applicable permit condition.

VI. WORK PRACTICE REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The wet dust suppression system (WDSS) (Source ID: C101) associated with the Conveying and Handling System (Source ID: 110) shall be operated on any and all occasions that the Conveying and Handling System (Source ID: 110) is operated, except in those unusual circumstances where conditions are such that operation of the Conveying and Handling System (Source ID: 110) without the simultaneous operation of the WDSS (Source ID: C101) can take place without creating fugitive emissions in excess of the limitations specified in this permit. If, however, the WDSS (Source ID: C101) associated with the conveying and handling system is incapable of operation due to weather conditions or any other reason, the conveying and handling system may not be operated at all.

(b) The WDSS (Source ID: C101) shall be operated efficiently and shall not at any time cause the emission of fugitive air contaminants from the controlled sources in excess of the limitations specified in 25 Pa. Code § 123.1.

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

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Monitoring of operations.

(a) The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under §60.676(b).

(b) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under §60.676(b) must specify the control mechanism being used instead of the water sprays.

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

The Conveying and Handling System (Source ID: 110) is subject to 40 C.F.R., Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants.

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

The Conveying and Handling System (Source ID: 110) consists of eighteen (18) conveyors ranging from 20 tons/hr to 400 tons/hr.

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

(a) Prior to any addition of sources to or modification of the Conveying and Handling System (Source ID: 110), as described by 25 Pa. Code § 121.1, the permittee shall either submit a Request for Determination of Requirement for Plan Approval/Operating Permit (RFD) or submit a Plan Approval application, whichever is appropriate.

(b) There shall be no change in the transfer points associated with the conveying and handling system.

(c) Emissions of particulate matter from the Conveying and Handling System (Source ID: 110) and associated equipment shall be controlled by a wet dust suppression system (WDSS) (Source ID: C101).

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

The owner or operator shall comply with all conditions of 40 CFR 60, Subpart OOO where applicable. Whenever a conflict occurs, with any of the regulations listed below, the owner or operator shall, in all cases, meet the more stringent requirement:

(a) 25 Pa. Code §§ 123.1, 123.2, and 123.13(c).

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Test methods and procedures.**

(ii) The duration of the Method 9 (40 CFR part 60, Appendix A-4) observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than 1 hour at a time.

(3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) or §60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages.

(d) To demonstrate compliance with the fugitive emission limits for buildings specified in §60.672(e)(1), the owner or operator must complete the testing specified in paragraph (d)(1) and (2) of this section. Performance tests must be conducted while all affected facilities inside the building are operating.

(1) If the building encloses any affected facility that commences construction, modification, or reconstruction on or after April 22, 2008, the owner or operator of the affected facility must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11.

(2) If the building encloses only affected facilities that commenced construction, modification, or reconstruction before April 22, 2008, and the owner or operator has previously conducted an initial Method 22 (40 CFR part 60, Appendix A-7) performance test showing zero visible emissions, then the owner or operator has demonstrated compliance with the opacity limit in §60.672(e)(1). If the owner or operator has not conducted an initial performance test for the building before April 22, 2008, then the owner or operator must conduct an initial Method 9 (40 CFR part 60, Appendix A-4) performance test according to this section and §60.11 to show compliance with the opacity limit in §60.672(e)(1).

SECTION D. Source Level Requirements

(e) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

(1) For the method and procedure of paragraph (c) of this section, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

(i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

(ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

(2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

(i) No more than three emission points may be read concurrently.

(ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

(iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

(3) Method 5I of Appendix A-3 of this part may be used to determine the PM concentration as an alternative to the methods specified in paragraph (b)(1) of this section. Method 5I (40 CFR part 60, Appendix A-3) may be useful for affected facilities that operate for less than 1 hour at a time such as (but not limited to) storage bins or enclosed truck or railcar loading stations.

(4) In some cases, velocities of exhaust gases from building vents may be too low to measure accurately with the type S pitot tube specified in EPA Method 2 of Appendix A-1 of this part [i.e., velocity head $<1.3 \text{ mm H}_2\text{O}$ (0.05 in. H_2O)] and referred to in EPA Method 5 of Appendix A-3 of this part. For these conditions, the owner or operator may determine the average gas flow rate produced by the power fans (e.g., from vendor-supplied fan curves) to the building vent. The owner or operator may calculate the average gas velocity at the building vent measurement site using Equation 1 of this section and use this average velocity in determining and maintaining isokinetic sampling rates.

$$V_e = Q_f / A_e \quad (\text{eq. 1})$$

Where:

V_e = average building vent velocity (feet per minute);

Q_f = average fan flow rate (cubic feet per minute); and

A_e = area of building vent and measurement location (square feet).

(f) To comply with §60.676(d), the owner or operator shall record the measurements as required in §60.676(c) using the monitoring devices in §60.674 (a)(1) and (2) during each particulate matter run and shall determine the averages.

018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR Part 60 Subpart 000 Table 3] Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants Fugitive Emission Limits

For affected facilities (as defined in §§60.670 and 60.671) that commenced construction, modification, or reconstruction after August 31, 1983 but before April 22, 2008, the owner or operator must meet the 10 percent opacity emissions limit for grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations or from any other affected facility (as defined in §§60.670 and 60.671).

SECTION D. Source Level Requirements

Source ID: C101

Source Name: WET DUST SUPPRESSION SYSTEM

Source Capacity/Throughput:

N/A

WATER

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

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

(a) The water pressure shall be monitored daily.

(b) The WDSS (Source ID: C101) shall be inspected daily, when the nonmetallic mineral processing plant is operating, to include but not limited to, the following:

- (1) spray nozzles for: plugging, alignment and condition.
- (2) hoses for: condition, leaks, and loose hose clamps.

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

The permittee shall record the following on a daily basis when the nonmetallic mineral processing plant is operating:

(a) the results of the inspection of the wet dust suppression system (WDSS) (Source ID: C101), as required in Condition #003.

(b) the results of the gauge readings of the water pressure, as required in Condition #003.

(c) the following records shall be kept if any components of the WDSS malfunction:

- (1) the date, time, and type of malfunction
- (2) the cause of the malfunction
- (3) the corrective actions taken to correct the malfunction
- (4) date, time and component replaced as a result of this inspection

V. REPORTING REQUIREMENTS.

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

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

(a) The permittee shall keep spare parts for the wet dust suppression system (WDSS) (Source ID: C101) on site.

(b) Malfunctioning components of the WDSS (Source ID: C101), identified during the daily inspection, shall be replaced immediately.

SECTION D. Source Level Requirements

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install a pressure gauge on the main line(s) of the wet dust suppression system (WDSS) (Source ID: C101).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The WDSS (Source ID: C101) shall operate in the range of 22 - 42 psi.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The mineral crushing plant, to include any individual source within the mineral crushing plant, shall not be operated if any component of the wet dust suppression system (WDSS) (Source ID: C101) fails to work, malfunctions, or operates with reduced control efficiency.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The wet dust suppression system (WDSS) (Source ID: C101) associated with the nonmetallic mineral processing plant shall be operated on any and all occasions that any individual source (Source ID(s): 102, 103, 104, 106, and 110) comprising the nonmetallic mineral processing plant is operated, except in those unusual instances where conditions are such that operation of the source without the simultaneous operation of the WDSS (Source ID: C101) can take place without creating air contaminant emissions in excess of the limitations specified in this permit. If, however, the WDSS (Source ID: C101) associated with this source is incapable of operation due to weather conditions or any other reason, these sources may not be operated at all.

(b) The WDSS (Source ID: C101) shall be operated efficiently and shall not at any time cause the emission of fugitive air contaminants from the controlled sources in excess of the limitations specified in 25 Pa. Code § 123.1

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: C102

Source Name: WATER TRUCK

Source Capacity/Throughput:

N/A

WATER

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Source Id	Source Description
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Site Emission Restriction Summary

Emission Limit		Pollutant
5.900 Tons/Yr	PM10 or PM2.5	PM10

**SECTION G. Miscellaneous.**

(A) Plan Approval 23-0100A serves as the basis of this initial Operating Permit (APS ID: 772734, AUTH ID: 914452).

(B) The Department has determined that emissions from the following activities, excluding those indicated as Site Wide Requirements in Section C of this permit, do not require additional limitations, monitoring, or recordkeeping:

1- diesel fuel tank, capacity 575 gallons.

(C) The diesel generator engine (Source ID: 109) is subject to the requirements of the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, 40 CFR Part 63, Subpart ZZZZ, and shall comply with all applicable requirements.

(D) The following changes from Plan Approval 23-0100A are made with this initial issuance of the Operating Permit. Any condition references are to conditions in Plan Approval 23-0100A.

Cover Page:

Department approval is updated to James D. Rebarchak, AIR Program Director.

Section A :

- * Diesel fuel location FML I01 is added to the Site Inventory and to the Permit Map for Source ID 109.
- * A Permit Map is added for Source ID 110.

Section C:

Condition #20 is revised to include the keeping of recordkeeping formats are previously approved by the Department.

The following conditions are included:

- * A Testing condition requiring the permittee to perform tests requested by the Department;
- * A Recordkeeping condition for emissions increases;
- * A Reporting condition for Risk Management pursuant to 40 CFR Section 68;
- * A Reporting condition containing the Department and EPA addresses for submissions to the Administrator
- * A Work Practice condition requiring the installation of an air cleaning device at any time to comply with any applicable regulation;
- * A Work Practice condition forbidding modification to any air contaminant system except for those producing de minimis emissions increases.

Section D: Source IDs 102, 103, 104, 105, 106, 107, 108, 109, 110

- * Condition #005 (#004 Source IDs 109, 110):
 - The condition is revised to require performance testing every 5 years or once within the life of the permit.
 - A sentence is added indicating that final acceptance of the test date is dependant on Department approval of the test protocol.
 - The ability for the permittee to obtain Department approval for a change in submission deadline for performance test submissions is included.

Section D: Source IDs 102, 103, 104, 105, 106, 107, 108, 110

- * Condition #006 (#005 Source ID 110) - The requirements of 40 CFR section 60.675 are updated to the current version (as amended April 28, 2009).

Section D: Source IDs 102, 103, 104, 105, 106, 107, 108, 109, 110

Additional - Testing conditions

- * The requirements of 25 Pa. Code Section 139.53(b) relating to summarizing test data and indicating compliance are added.
- * The requirement to use PSIMS for submissions is included under the authority of 25 Pa. Code Section 139.53(a).

Section D: Source IDs 102, 103, 104, 105, 106, 107, 108

(Condition #016)

"or equivalent" is removed from the equipment description since installation has been established under the Plan Approval.

Section D: Source ID 109

- * The date of October 1, 2010, the cutoff for 500 ppm fuel sulfur allowance, is removed from Condition #003.
- * Condition #005 is changed from the Testing grouping to the Monitoring grouping.
- * Condition #008 - The condition is modified to require emission factors from stack testing, if available, be used in emissions calculations.
- * A paragraph is added to Condition #011 indicating that the Department may waive an annual tune-up requirement upon permittee

SECTION G. Miscellaneous.

request and demonstration of compliance with the NO_x, CO limitations by stack testing within 14 months of the required tune-up.

* Applicable requirements of 40 CFR Part 63 Subpart ZZZZ are included.

Section D: Source ID C101

* Conditions #005 and #007 relating to the setting of a pressure drop range for the Wet Dust Suppression System (WDSS) by the Department and the providing of an as built diagram of the WDSS by the permittee are removed as these requirements have been satisfied.

* A Work Practice condition identifying 22 - 42 psi as the operating pressure range of the WDSS is added.

Miscellaneous:

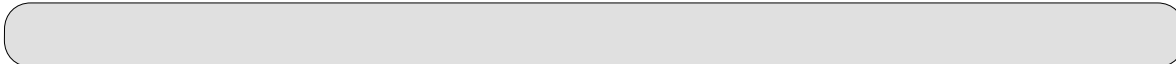
* The fuel tank is added as a minor source.

* The engine (Source ID 109) is noted as subject to the federal requirements of 40 CFR Part 63, Subpart ZZZZ.

(E) The State-Only Operating Permit 23-00100 (APS ID: 772734, AUTH ID: 1190284) has been renewed as an Air Quality Natural Minor operating permit.

(1) The following sources have been permanently removed from site and this renewed permit:

- Primary Product Screen (Source ID: 105)
- Product Screen (Source ID: 107)
- Tertiary Crusher (Source ID: 108)
- Diesel Generator (Source ID: 109)



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