



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

**STATE ONLY SYNTHETIC MINOR OPERATING PERMIT**

Issue Date: January 21, 2021

Effective Date: February 1, 2021

Expiration Date: January 31, 2026

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: 46-00069**

Synthetic Minor

Federal Tax Id - Plant Code: 23-0695693-16

**Owner Information**

Name: HIGHWAY MATERIALS INC  
Mailing Address: 409 STENTON AVE  
FLOURTOWN, PA 19031

**Plant Information**

Plant: HIGHWAY MATERIALS INC/PLYMOUTH MEETING QUARRY  
Location: 46 Montgomery County 46960 Whitmarsh Township  
SIC Code: 1429 Mining - Crushed And Broken Stone, Nec

**Responsible Official**

Name: ANTHONY J DEPAUL  
Title: PRES  
Phone: (610) 832 - 8000 Email: tdepaul@tonydepaul.com

**Permit Contact Person**

Name: ANTHONY J DEPAUL  
Title: PRES  
Phone: (610) 832 - 8000 Email: tdepaul@highwaymaterials.com

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



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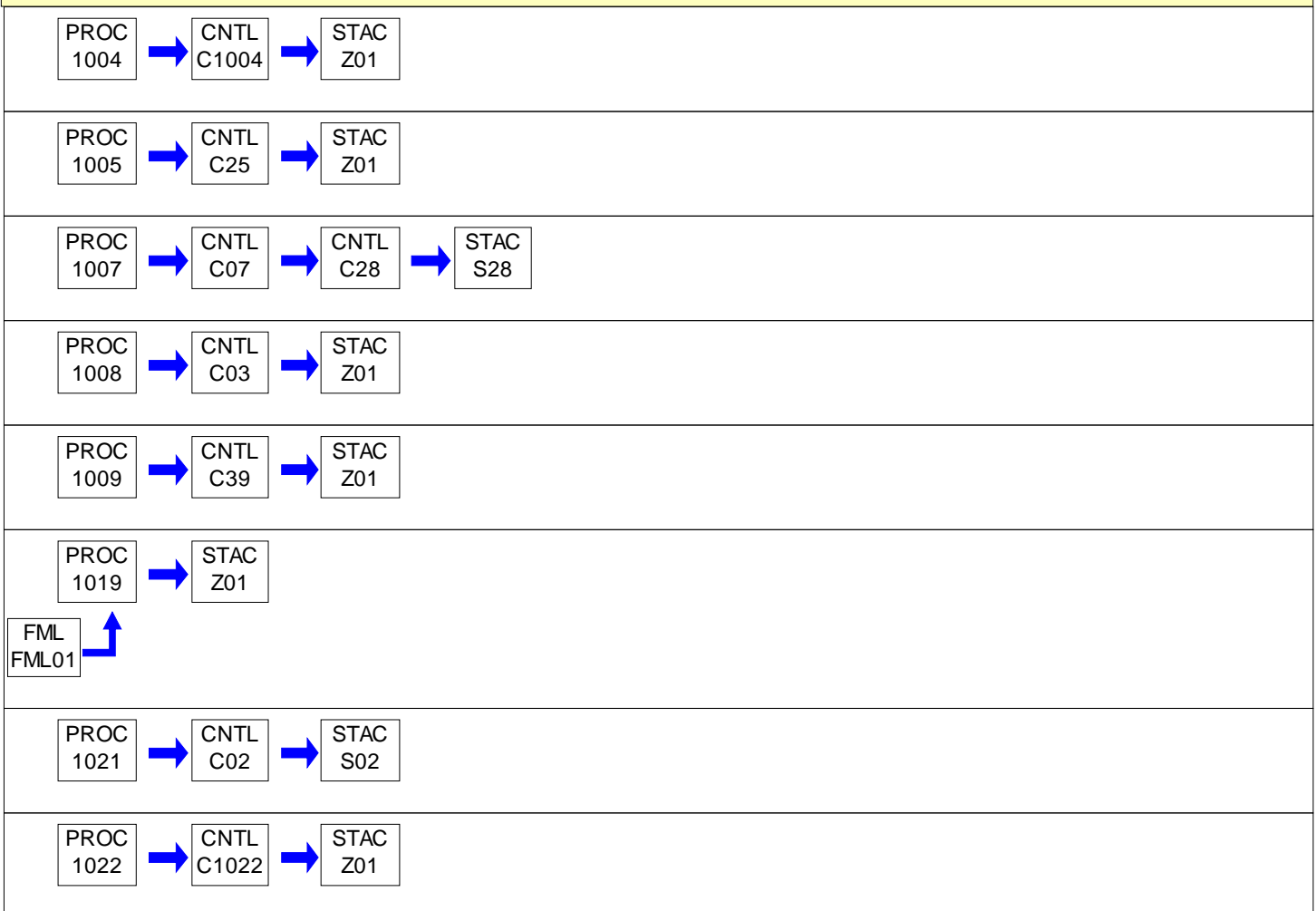
- F-I: Restrictions
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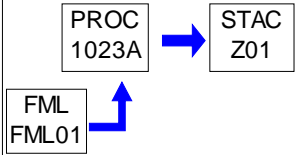
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
1004	PORTABLE CRUSHER (P3)	350.000 Tons/HR	AGGREGATE
1005	SCREENS	N/A	
1007	PRIMARY CRUSHER	925.000 Tons/HR	AGGREGATE
1008	TERTIARY CRUSHER	310.000 Tons/HR	AGREGGATE
1009	CONVEYORS	N/A	
1019	SCANIA ENGINE FOR PORTABLE CRUSHER 1004 (P3)	N/A	Diesel Fuel
1021	SECONDARY CRUSHER (METSO)	389.000 Tons/HR	AGGREGATE
1022	PORTABLE CRUSHER (P1)	350.000 Tons/HR	
1023A	SCANIA ENGINE FOR PORTABLE CRUSHER 1022 (P1)		
C1022	WET SUPPRESSION FOR PORTABLE CRUSHER 1022		
FML01	DIESEL FUEL		
S02	BAGHOUSE 2 STACK - SECONDARY CRUSHER		
S28	PULSE JET BAGHOUSE STACK		
Z01	GENERAL FUGITIVE EMISSIONS NOT CAPTURED/NO STACK		

**PERMIT MAPS**



**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)]****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 as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (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 the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
  - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
  - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

(2) For a facility that is not a synthetic minor, a fee equal to:

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

**#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 a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

**SECTION B. General State Only Requirements**

- (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, 127.465 & 127.703]****Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:



**SECTION B. General State Only Requirements**

(b) Administrative Amendments. The permittee shall submit the application for 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 submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

**#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<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

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

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

**SECTION B. General State Only Requirements**

(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

**SECTION B. General State Only Requirements**

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 B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

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

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

**#024 [25 Pa. Code §135.4]****Report Format**

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §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.
  - (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 25 Pa. Code § 123.1(a)(1)-(9) (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) The following opacity limitations apply to all sources at the facility, unless there is a more stringent limitation applicable to a specific source.
- (b) A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following.
  - (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.

**SECTION C. Site Level Requirements**

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

**# 006 [25 Pa. Code §123.42]****Exceptions**

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in either of the following instances.

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions).

**# 007 [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.

**II. TESTING REQUIREMENTS.****# 008 [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 may be in excess of the limitations specified in this Operating 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 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 and the most current version of the DEP Source Testing Manual, 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.****# 009 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following.

**SECTION C. Site Level Requirements**

- (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.

**# 010 [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).
  - (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).
  - (4) Be recorded in a permanent written log.

**IV. RECORDKEEPING REQUIREMENTS.****# 011 [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.

**# 012 [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 deviations 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.

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

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



**SECTION C. Site Level Requirements**

- (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.
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
- (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
- (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If 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).
- (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.

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

- (a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess

**SECTION C. Site Level Requirements**

emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following.

- (1) Name, permit or authorization number, and location of the facility.
- (2) Nature and cause of the malfunction, emergency or incident.
- (3) Date and time when the malfunction, emergency or incident was first observed.
- (4) Expected duration of excess emissions.
- (5) Estimated rate of emissions.
- (6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

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

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

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

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

A person responsible for any source specified 25 Pa. Code § 123.1 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.

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

- (a) The permittee shall be responsible for trucks that are owned or operated by the permittee, or any companies affiliated with the permittee, to adequately tarp or wet its loads before the trucks exit the quarry property so as to prevent fugitive particulate matter from becoming airborne. The permittee shall not be responsible to assure compliance with tarping or wetting loads for trucks other than those under their control.
- (b) The permittee shall notify in writing the truck owners and operators which haul loads from the facility of their responsibility to tarp or utilize load wetting equipment provided at the permittee's facility. This written notice shall be sent to all customers with existing accounts and to new accounts within 30 days of establishing accounts. A written notice shall also be provided to all other truck owners and operators who do not establish accounts with the permittee at least during their first use of the facility.

**SECTION C. Site Level Requirements**

(c) The permittee shall maintain this correspondence on hand.

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

The permittee shall ensure that the source(s) and air pollution control device(s), listed in this Operating Permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

**# 018 [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 limitations, if at any time the operation of the source(s) identified in this Operating 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.

**# 019 [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.

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

The permittee shall post a highly visible notice at a prominent location on its facility stating: "All loads on trucks shall be tarped, or have their loads sufficiently wetted, before exiting the quarry property to prevent particulate matter from becoming airborne."

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

The permittee shall provide truck load wetting equipment at all times for any truck using its facility.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.206 through § 127.210.]

(a) The permittee has been granted Emission Reduction Credits (ERCs) from the permanent shutdown of two (2) engines at the Plymouth Meeting Quarry, as follows:

(1) Cummins Engine (Source ID 1011) – shut down on September 28, 2011.

(2) Caterpillar Engine (Source ID 1012) – shut down on October 8, 2011.

(b) The ERCs generated by each shutdown, as specified above, will expire from use as offsets 10 years after the dates indicated above or as shown below, if not used in a plan approval.

(1) Cummins Engine (Source ID 1011) – 0.435 tons VOC, 1.655 tons NO<sub>x</sub>, 4.888 tons SO<sub>x</sub> ERCS created on September 28, 2011. The expiration date for these is September 27, 2021.

(2) Caterpillar Engine (Source ID 1012) – 0.383 tons VOC, 1.436 tons NO<sub>x</sub>, 4.346 tons SO<sub>x</sub> ERCS created on October 8, 2011. The expiration date for these is October 7, 2021.

(c) Sources listed above shall remain permanently shutdown. If the permittee plans to bring the shutdown sources back into production, the permittee shall submit the appropriate plan approval application. Any subsequent emissions from these shutdown sources shall comply with New Source Review (NSR) regulations in 25 Pa. Code, Chapter 127,

**SECTION C. Site Level Requirements**

Subchapter E.

**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.**

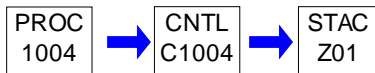
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 1004

Source Name: PORTABLE CRUSHER (P3)

Source Capacity/Throughput: 350.000 Tons/HR AGGREGATE

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

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

**Monitoring of operations.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system.

[Pursuant to 40 CFR § 60.674(b).]

**IV. RECORDKEEPING REQUIREMENTS.**

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]**

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

**Reporting and recordkeeping.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

(a) The permittee shall record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook (in written or electronic format). The permittee shall keep the logbook onsite and make hard copies (whichever is requested) of the logbook available to the Department upon request.

(b) The permittee shall specify in the logbook entry the control mechanism being used if the permittee ceases operation of the wet suppression system or uses an alternative control mechanism to reduce fugitive emissions.

[Pursuant to 40 CFR § 60.674(b), 40 CFR § 60.674(b)(2), and 40 CFR § 60.676(b)(1).]

**V. REPORTING REQUIREMENTS.**

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) In advance of each change in location without any modification of the portable nonmetallic mineral processing plant the permittee shall notify both the Department and the municipality where the operation will take place.

(b) The advance notification will include an estimated date of startup at the new location.

(c) The advance notification to the Department and municipality shall be completed at least one week prior to the change in location.

**SECTION D. Source Level Requirements****# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall submit to the Department and the USEPA, before the 30th day following the calendar quarter, written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR Part 60 Subpart 000 and this operating permit including reports of opacity and fugitive emission observations made using USEPA Test Method 9.

[Pursuant to 40 CFR § 60.676(f).]

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

(a) The permittee shall operate the wet suppression system on any and all occasions that the portable nonmetallic mineral processing plant is operated.

(b) Operation without simultaneous operation of the water spray dust suppression system can take place only in those unusual instances where processed materials contain sufficient moisture so as not to create air contaminant emissions in excess of the limitations and standards of this permit. If, however, the water spray dust suppression system is incapable of operation due to weather conditions or any other reason, the permittee may not operate the plant.

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

The permittee shall maintain and operate a pressure gauge in order to indicate normal operation of the wet suppression system.

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

The permittee shall keep on hand such equipment and materials as are necessary to take reasonable action (including, but not limited to the application of water, oil or chemicals) to prevent fugitive particulate matter resulting from the use of any roadways and/or material stockpiling operations associated with the plant from becoming airborne and shall be used, as necessary, to prevent such fugitive particulate matter from becoming airborne.

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

(a) The permittee shall be authorized to operate the portable nonmetallic mineral processing plant at the following locations provided it meets all of the requirements outlined in (b) of this condition.

- (1) SMOP No. 46-00069 Plymouth Meeting Quarry, Whitmarsh Township, Montgomery County
- (2) SMOP No. 46-00108 Perkiomenville Quarry, Marlborough Township, Montgomery County
- (3) SMOP No. 46-00236 Perkiomenville Batch Asphalt Plant, Marlborough Township, Montgomery County
- (4) SMOP No. 15-00054 Malvern Batch Asphalt Plant, East Whiteland Township, Chester County
- (5) SMOP No. 15-00055 Downingtown Batch Asphalt Plant, East Caln Township, Chester County.

(b) The permittee shall comply with the following work practice standards:

(1) The permittee shall provide written notification to both the Department and the affected municipality prior to the move. The written notification shall include, at a minimum.

- (i) The intended location.
- (ii) A listing of any associated equipment intended to be operated in conjunction with the portable crushing plant.
- (iii) The anticipated duration (including the starting and ending dates) at the relocation.
- (iv) The advance notification to the Department and municipality shall be completed at least one week prior to the change in

**SECTION D. Source Level Requirements**

location.

(2) The permittee shall not modify the portable nonmetallic mineral processing plant or its associated water spray dust suppression system or diesel-fired engine.

(3) The permittee shall operate and maintain the portable nonmetallic mineral processing plant in accordance with all necessary regulations and permits that are required by the governing agency in which the source will be located.

(4) The permittee shall maintain records or a permanent log, of all changes in location, which includes, for each location, the dates of transfer, hours of operation, and production data.

(5) The permittee shall operate and maintain the portable nonmetallic mineral processing plant in a manner consistent with good air pollution control practices and in accordance with manufacturer's specifications.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]**

**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants**

**Monitoring of operations.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

The permittee shall initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the permittee finds that water is not flowing properly during an inspection of the water spray nozzles.

[Pursuant to 40 CFR § 60.674(b).]

**VII. ADDITIONAL REQUIREMENTS.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

- (a) 25 Pa. Code §§ 123.1, 123.2, 123.13(c), and 123.41.
- (b) 40 CFR Part 60 Subpart 000.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The portable non-metallic mineral processing plant includes the following:

- (a) one (1) Kleenman Mobirex Crusher,
- (b) two (2) vibratory screens,
- (c) five (5) conveyor belts,
- (d) wet suppression system.

Source ID 1019 Scania Engine supports this Portable Crusher.

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This source is subject to the requirements of 40 CFR Part 60 Subpart 000 and shall comply with all applicable requirements of this Subpart. In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the USEPA and the PADEP. The USEPA copies shall be forwarded to:

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP20)  
Air Protection Division  
USEPA, Region III

**SECTION D. Source Level Requirements**

1650 Arch Street  
Philadelphia, PA 19103-2029

Region III electronic compliance certifications may be sent to: [R3\\_APD\\_Permits@epa.gov](mailto:R3_APD_Permits@epa.gov).

NSPS reports that are submitted electronically to USEPA's Central Data Exchange can be found at: <https://cdx.epa.gov/>.



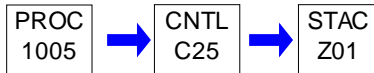
**SECTION D. Source Level Requirements**

Source ID: 1005

Source Name: SCREENS

Source Capacity/Throughput:

N/A

**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.**

The permittee shall monitor the PM emissions for this source on a monthly and 12-month rolling basis.

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

(a) The permittee shall maintain monthly records of PM emissions for this source, including 12-month rolling sums.

(b) The permittee shall use the most recent applicable emission factors to calculate the PM emissions from this source.

**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.**

The permittee may operate this source only when the water spray dust suppression system is operating properly.

**VII. ADDITIONAL REQUIREMENTS.**

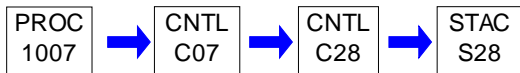
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements**

Source ID: 1007

Source Name: PRIMARY CRUSHER

Source Capacity/Throughput: 925.000 Tons/HR AGGREGATE

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

The permittee shall limit particulate matter (as PM10 and PM2.5) emissions from this source to 158 pounds per year, based on a 12-month rolling sum.

[This particulate matter emission limit streamlines and demonstrates compliance with the NSPS particulate matter standard (0.014 gr/dscf), the BAT particulate matter standard (0.02 gr/dscf), and the requirements of 25 Pa. Code § 123.13(c)(1)(i) (0.04 gr/dscf).]

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.672 and 40 CFR § 60.674(c).]

The permittee shall meet a zero (0) opacity limit at the baghouse stack, according to 40 CFR § 60.672(a), Table No. 2 for sources with a capture system.

[Compliance with this condition assures compliance with the visible emissions standard of 25 Pa. Code § 123.41.]

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

The permittee shall limit the hours of operation for this source to 4160 hours per year, based on a 12-month rolling sum.

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.674(c).]

(a) The permittee shall conduct quarterly 30-minute visible emissions inspections using USEPA Test Method 22. The Method 22 test shall be conducted while the baghouse is operating.

(b) The test is successful if no visible emissions are observed. If any visible emissions are observed, the permittee shall initiate corrective action within 24 hours to return the baghouse to normal operation.

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

The permittee shall calculate monthly particulate matter emissions, including 12-month rolling sums, based on material throughput, hours of operation, and the most recent emission factor (lb PM/ton of material = pounds of PM per hour / tons of material per hour) as determined by the most recent source test.

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

The permittee shall monitor the pressure drop across the associated baghouse on a daily basis, when in operation, with a magnahelic differential pressure gauge.

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

The permittee shall maintain monthly records and 12-month rolling sums of the following:

- (a) material throughput (in tons per month),
- (b) hours of operation,
- (c) particulate matter emissions.

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

The permittee shall maintain daily records of pressure drop readings for the baghouse associated with this source.

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

The permittee shall keep a copy of the manufacturer's specifications for the baghouse associated with this source.

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.674(c).]

The permittee shall record each USEPA Test Method 22 test, including the date and any corrective actions taken, in the logbook.

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.674(b)(2) and § 60.676(b)(1).]

(a) The permittee shall record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook (in written or electronic format). The permittee shall keep the logbook onsite and make hard copies (whichever is requested) of the logbook available to the Department upon request.

(b) The permittee shall specify in the logbook entry if the permittee ceases operation of the wet suppression system.

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.676(f).]

The permittee shall submit to the Department, before the 30th day following the calendar quarter, written reports of the results of all performance tests conducted, including reports of opacity observations made using USEPA Test Method 9.

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

The permittee shall operate this crusher only when the wet suppression system (C07) and the existing Pulse-Jet Baghouse (C28) are operating.

**SECTION D. Source Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 60.674(b).]

(a) The permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system.

(b) If the permittee finds that water is not flowing properly during an inspection of the water spray nozzles, the following applies:

(1) The permittee shall cease operation of the crusher immediately, and

(2) The permittee shall initiate corrective action within 24 hours and complete corrective action as expeditiously as practical.

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

(a) The baghouse shall be on and operating properly during all manufacturing processes associated with this source.

(b) The company shall keep spare filters on site for the baghouse associated with this source.

(c) The permittee shall maintain and operate the magnahelic differential pressure gauge for monitoring the pressure drop across the baghouse associated with this source.

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

The permittee shall maintain a pressure drop across the baghouse associated with this source between 1 and 5 inches of water gauge.

**VII. ADDITIONAL REQUIREMENTS.**

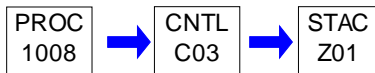
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements**

Source ID: 1008

Source Name: TERTIARY CRUSHER

Source Capacity/Throughput: 310.000 Tons/HR AGREGGATE

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

The permittee shall limit post-control particulate matter (as PM-10) emissions from this source to less than 0.35 tons per year, based on a 12-month rolling sum.

[Based on USEPA AP-42, Fifth Edition, Volume 1, Chapter 11, Section 19.2, Table 2, PM-10 Emission Factors for Tertiary Crushers with Wet Suppression as Control.]

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

The permittee shall limit the hours of operation for this source to 4,160 hours per year, based on a 12-month rolling sum.

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

The permittee shall calculate monthly post-control particulate matter emissions, including 12-month rolling sums, based on material throughput, hours of operation, and the PM-10 emission factor for tertiary crushers controlled by wet suppression, found in USEPA AP-42, Fifth Edition, Volume 1, Chapter 11, Section 19.2, Table 2.

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.674(b)(2) and § 60.676(b)(1).]

(a) The permittee shall record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook (in written or electronic format). The permittee shall keep the logbook onsite and make hard copies (whichever is requested) of the logbook available to the Department upon request.

(b) The permittee shall specify in the logbook entry the control mechanism being used if the permittee ceases operation of the wet suppression system or uses an alternative control mechanism to reduce fugitive emissions.

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

The permittee shall maintain monthly records and 12-month rolling sums of the following:

(a) material throughput (in tons per month),

**SECTION D. Source Level Requirements**

(b) hours of operation,  
 (c) post-control particulate matter emissions.

**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.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall control fugitive particulate matter from this crusher by the use of a wet suppression system.

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 CFR § 60.674(b).]

(a) The permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system.

(b) The permittee shall initiate corrective action within 24 hours and complete corrective action as expediently as practical if the permittee finds that water is not flowing properly during an inspection of the water spray nozzles.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall operate this crusher only when the wet suppression system (C03) is operating.

**VII. ADDITIONAL REQUIREMENTS.**

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

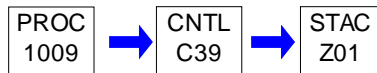
**SECTION D. Source Level Requirements**

Source ID: 1009

Source Name: CONVEYORS

Source Capacity/Throughput:

N/A

**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.**

The permittee shall monitor the PM emissions for this source on a monthly and 12-month rolling basis.

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

(a) The permittee shall maintain monthly records of PM emissions for this source, including 12-month rolling sums.

(b) The permittee shall use the most recent applicable emission factors to calculate the PM emissions from this source.

**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.**

The permittee may operate this source only when the water spray dust suppression system is operating properly.

**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**

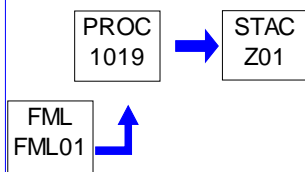
Source ID: 1019

Source Name: SCANIA ENGINE FOR PORTABLE CRUSHER 1004 (P3)

Source Capacity/Throughput:

N/A

Diesel Fuel

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

The permittee shall fire the engine with low-sulfur diesel fuel oil, as derived from 40 CFR § 80.510(c)(1) for nonroad diesel fuel oil. The low-sulfur diesel fuel oil content shall be 0.0015% by weight or less.

[Compliance with this condition assures compliance with the sulfur emission standard of 500ppm pursuant to 25 Pa. Code § 123.21.]

**II. TESTING REQUIREMENTS.****# 002 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

(a) The following are applicable to tests for the analysis of commercial fuel oil:

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a) above shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

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

The permittee shall monitor the number of hours per month that the engine operated using a non-resettable hour meter.

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

(a) The permittee shall maintain records of the number of hours per month that the engine operated.

(b) The permittee shall maintain records of the amount of fuel used for the engine.



**SECTION D. Source Level Requirements**

(c) The permittee shall maintain records of the dates and places in which the nonroad engine is relocated.

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

The permittee shall maintain records of the sulfur content for each shipment of diesel fuel received, obtained either by laboratory analysis or from the fuel supplier's certification.

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

The nonroad engine shall have affixed a permanent and legible label identifying the nonroad engine. Each label must contain the following information written in English:

- (a) The heading "Imported Engine Information";
- (b) The full corporate name and trademark of the manufacturer;
- (c) EPA standardized engine family designation;
- (d) Engine displacement;
- (e) Advertised power;
- (f) Engine tune-up specifications and adjustments;
- (g) Fuel requirements;
- (h) Date of manufacture (month and year);
- (i) Unique engine identification number.

[Pursuant to 40 CFR § 89.110.]

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

[Additional authority for this permit condition is also derived from 40 CFR § 1039.101, Table 1.]

The permittee shall ensure that emissions into the outdoor atmosphere from the Tier 4 certified diesel engine do not exceed the emission rates contained in Table 1 of 40 CFR § 1039.101 for the 2014 model year and later engines with a maximum engine power rating of 130<kW<560 as follows:

- (a) PM: 0.02 g/kW-hr
- (b) NO<sub>x</sub>: 0.40 g/kW-hr
- (c) NMHC: 0.19 g/kW-hr
- (d) CO: 3.5 g/kW-hr

[Compliance with the emission standards of 40 CFR Part 1039 Section 101, Table 1 is demonstrated through the engine certification of conformity for this engine: i.e. Tier 4 Certification]

**VII. ADDITIONAL REQUIREMENTS.**

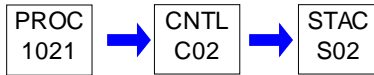
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements**

Source ID: 1021

Source Name: SECONDARY CRUSHER (METSU)

Source Capacity/Throughput: 389.000 Tons/HR AGGREGATE

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

The permittee shall limit particulate matter emissions from the associated baghouse for this source to 0.183 lbs/hr and 0.4 tons per 12-month rolling sum.

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

The permittee shall maintain the pressure drop across the baghouse associated with this source between 1 and 5 inches of water gage.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Standard for particulate matter.**

The permittee shall meet an opacity limit of 7% at the baghouse stack, according to 40 CFR § 60.672(a), Table No. 2 for affected facilities with a [dry] capture system.

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

(a) The permittee shall monitor the pressure drop across the associated baghouse on a daily basis.

(b) The permittee shall monitor PM emissions for this source on a monthly basis.

(c) The permittee shall monitor the pressure drop across the associated baghouse on a daily basis.

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

(a) The permittee shall record the pressure drop for the baghouse associated with this source on a daily basis.

(b) The permittee shall record the monthly PM emissions for this source, including 12-month rolling sums.

**V. REPORTING REQUIREMENTS.**

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

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

- (a) The permittee shall control particulate matter emissions from this source by use of the associated baghouse.
- (b) The baghouse shall be on and operating properly whenever the source is in operation.
- (c) The permittee shall keep spare filter bags on site for the baghouse associated with this source.
- (d) The permittee shall operate and maintain a magnahelic differential pressure gauge for monitoring the pressure drop across the baghouse associated with this source.
- (e) The permittee shall maintain the pressure drop across the baghouse associated with this source between 1 and 5 inches of water gage.

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

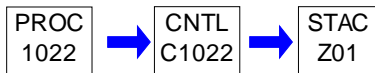
The associated baghouse is rated at less than 8,000 acfm.

**SECTION D. Source Level Requirements**

Source ID: 1022

Source Name: PORTABLE CRUSHER (P1)

Source Capacity/Throughput: 350.000 Tons/HR

**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 [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.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

The permittee shall perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system.

[Pursuant to 40 CFR § 60.674(b)]

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

(a) The permittee shall monitor, calculate and record the PM emissions from this source on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall use the most recent EPA AP-42 emission factors when calculating the PM emissions for this source.

(c) Records shall be kept for at least a five year period.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122.]

(a) The permittee shall record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook (in written or electronic format). The permittee shall keep the logbook onsite and make hard copies (whichever is requested) of the logbook available to the Department upon request.

(b) The permittee shall specify in the logbook entry the control mechanism being used if the permittee ceases operation of the wet suppression system or uses an alternative control mechanism to reduce fugitive emissions.

(c) Records shall be kept for at least a five year period.

[Pursuant to 40 CFR § 60.674(b), 40 CFR § 60.674(b)(2), and 40 CFR § 60.676(b)(1).]

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

(a) In advance of each change in location without any modification of the portable nonmetallic mineral processing plant the permittee shall notify both the Department and the municipality where the operation will take place.

(b) The advance notification will include an estimated date of startup at the new location.

(c) The advance notification to the Department and municipality shall be completed at least one week prior to the change in location.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

The permittee shall submit to the Department and the USEPA, before the 30th day following the calendar quarter, written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR Part 60 Subpart 000 and this operating permit including reports of opacity and fugitive emission observations made using USEPA Test Method 9.

[Pursuant to 40 CFR § 60.676(f)]

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

(a) The permittee shall operate the wet suppression system on any and all occasions that the portable nonmetallic mineral processing plant is operated.

(b) Operation without simultaneous operation of the water spray dust suppression system can take place only in those unusual instances where processed materials contain sufficient moisture so as not to create air contaminant emissions in excess of the limitations and standards of this permit. If, however, the water spray dust suppression system is incapable of operation due to weather conditions or any other reason, the permittee may not operate the plant.

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

The permittee shall maintain and operate a pressure gauge in order to indicate normal operation of the wet suppression system.

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

The permittee shall keep on hand such equipment and materials as are necessary to take reasonable action (including, but not limited to the application of water, oil or chemicals) to prevent fugitive particulate matter resulting from the use of any roadways and/or material stockpiling operations associated with the plant from becoming airborne and shall be used, as necessary, to prevent such fugitive particulate matter from becoming airborne.

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

(a) The permittee shall be authorized to operate the portable nonmetallic mineral processing plant at the following locations provided it meets all of the requirements outlined in (b) of this condition.

- (1) SMOP No. 46-00069 Plymouth Meeting Quarry, Whitmarsh Township, Montgomery County
- (2) SMOP No. 46-00108 Perkiomenville Quarry, Marlborough Township, Montgomery County
- (3) SMOP No. 46-00236 Perkiomenville Batch Asphalt Plant, Marlborough Township, Montgomery County
- (4) SMOP No. 15-00054 Malvern Batch Asphalt Plant, East Whiteland Township, Chester County
- (5) SMOP No. 15-00055 Downingtown Batch Asphalt Plant, East Caln Township, Chester County.

**SECTION D. Source Level Requirements**

(b) The permittee shall comply with the following.

(1) The permittee is only authorized to operate this portable nonmetallic mineral processing plant at a separate location, listed in (a)(1) to (5), when that separate location's Operating Permit has been amended to include the operation of this portable nonmetallic mineral processing plant.

(2) The permittee shall provide written notification to both the Department and the affected municipality prior to the move. The written notification shall include, at a minimum.

(i) The intended location.

(ii) A listing of any associated equipment intended to be operated in conjunction with the portable crushing plant.

(iii) The anticipated duration (including the starting and ending dates) at the relocation.

(iv) The advance notification to the Department and municipality shall be completed at least one week prior to the change in location.

(3) The permittee shall not modify the portable nonmetallic mineral processing plant or its associated water spray dust suppression system or diesel-fired engine.

(4) The permittee shall operate and maintain the portable nonmetallic mineral processing plant in accordance with all necessary regulations and permits that are required by the governing agency in which the source will be located.

(5) The permittee shall maintain records or a permanent log, of all changes in location, which includes, for each location, the dates of transfer, hours of operation, and production data.

(6) The permittee shall operate and maintain the portable nonmetallic mineral processing plant in a manner consistent with good air pollution control practices and in accordance with manufacturer's specifications.

**# 010 [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.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122]

The permittee shall initiate corrective action within 24 hours and complete corrective action as expeditiously as practical if the permittee finds that water is not flowing properly during an inspection of the water spray nozzles.

[Pursuant to 40 CFR § 60.674(b)]

**VII. ADDITIONAL REQUIREMENTS.**

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

(a) 25 Pa. Code §§ 123.1, 123.2, 123.13(c), and 123.41.

(b) 40 CFR Part 60 Subpart 000.

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The portable non-metallic mineral processing plant includes the following.

(1) One Kleenman Mobirex Crusher

(2) Two vibratory screens

(3) Five conveyor belts

(4) Wet suppression system

**SECTION D. Source Level Requirements**

(b) Source ID 1023 Scania Engine supports this Portable Crusher.

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

(a) This source is subject to the requirements of 40 CFR Part 60 Subpart OOO and shall comply with all applicable requirements of this Subpart. In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the USEPA and the PADEP. The USEPA copies shall be forwarded to.

Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP20)  
Air Protection Division  
USEPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

(b) Region III electronic compliance certifications may be sent to: R3\_APD\_Permits@epa.gov.

(c) NSPS reports that are submitted electronically to USEPA's Central Data Exchange can be found at: <https://cdx.epa.gov/>.

**SECTION D. Source Level Requirements**

Source ID: 1023A

Source Name: SCANIA ENGINE FOR PORTABLE CRUSHER 1022 (P1)

Source Capacity/Throughput:

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

The permittee shall fire the engine with low-sulfur diesel fuel oil, as derived from 40 CFR § 80.510(c)(1) for nonroad diesel fuel oil. The low-sulfur diesel fuel oil content shall be 0.0015% by weight or less.

[Compliance with this condition assures compliance with the sulfur emission standard of 500ppm pursuant to 25 Pa. Code § 123.21.]

**II. TESTING REQUIREMENTS.****# 002 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

(a) The following are applicable to tests for the analysis of commercial fuel oil.

(1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

(2) Test methods and procedures for the determination of viscosity shall be that specified in 25 Pa. Code § 139.4(11) (relating to references). The viscosity shall be determined at 100°F.

(3) Tests methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15) and (20).

(4) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The testing requirements in subpart (a) above shall be waived in the event that a delivery receipt from the supplier, showing the percentage sulfur in the fuel, is obtained each time a fuel oil delivery is made.

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

(a) The permittee shall monitor and record the number of hours per month that the engine operated using a non-resettable hour meter.

(b) The permittee shall monitor and record the amount of fuel used for the engine per month.



**SECTION D. Source Level Requirements**

- (c) The permittee shall monitor and record the dates and places in which the nonroad engine is relocated.
- (d) The permittee shall monitor and record the sulfur content for each shipment of diesel fuel received, obtained either by laboratory analysis or from the fuel supplier's certification.
- (e) Records shall be kept for at least a five year period.

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

- (a) The permittee shall monitor, calculate and record the NOx and PM emissions from this source on a monthly basis and as a 12-month rolling sum.
- (b) The permittee shall use the engine manufacturer's emission data when calculating the NOx and PM emissions for this source.
- (c) The permittee shall make available, when requested by the Department, a copy of the manufacturer's emission data.
- (d) Records shall be kept for at least a five year period.

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

This engine is manufactured by Scania, Model # DC13 with a power rating of 494 BHP.



**SECTION E. Source Group Restrictions.**

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
1007	PRIMARY CRUSHER		
<b>Emission Limit</b>		<b>Pollutant</b>	
158.000	Lbs/Yr	12-month rolling sum	PM10
1008	TERTIARY CRUSHER		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.350	Tons/Yr	12-month rolling sum	PM10
1021	SECONDARY CRUSHER (METSO)		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.400	Tons/Yr	Based on a 12-month rolling sum.	PM10

**Site Emission Restriction Summary**

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

(a) Certain terms and conditions contained in this permit have been derived from the following previously issued plan approvals:

- Plan Approval No. 46-0069 (Portable Crusher, Screens, Conveyors, two (2) Diesel Engines)
- Plan Approval No. 46-0069A (Primary, Secondary, and Tertiary Crushers, and two (2) Baghouses)
- Plan Approval No. 46-0069C (Primary Crusher 1001 and Pulse Jet Baghouse C28).

(b) All active operations are located at 5100 Joshua Road, Plymouth Meeting, PA 19462, including the following plants:

- (1) Plymouth Meeting Quarry  
SIC Code: 1429 - Crushed and Broken Stone Mining and Quarrying  
SMOP No. 46-00069
- (2) Plymouth Meeting Asphalt Plant  
SIC Code: 2951 - Asphalt Paving Mixtures and Block Manufacturing  
SMOP No. 46-00094

(c) There is an inactive quarry located at 5000 Joshua Road, Plymouth Meeting, PA 19462.

(d) This permit includes corrections made through the plan approval modification, PA-46-0069 (APS 21106, AUTH 598541). Particulate matter emission limits have been corrected for Source 1010 - Caterpillar Diesel Engine and Source 1011 - Cummins Diesel Engine.

(e) RENEWAL Permit (APS 345203, AUTH 813622). The following is addressed with this renewal permit:

(1) On April 2009, the requirements of 40 CFR Part 60 Subpart OOO were updated; therefore permit conditions are revised in this renewal permit to reflect these changes to federal requirements.

(2) Source ID 1001 (Primary Crusher) and Control Device C28 (Pulse Jet Baghouse) - Terms and conditions derived from Plan Approval No. 46-0069C have been incorporated into this renewal permit.

(3) Source ID 1003 (Tertiary Crusher) - The permit has been revised to indicate the correct method of control for Source ID 1003 (Tertiary Crusher). Previously, the permit showed the source being controlled by a baghouse; rather, the source is controlled by wet suppression system (C03). This renewal permit does not address Plan Approval No. 46-0069D (AUTH ID 820860) for a new tertiary crusher (Source ID 1006); as of the date of issuance for this permit renewal, the old tertiary crusher is still operating at the plant.

(4) Source ID 1004 (Portable Crusher) has been removed from the plant and Source ID 1013 (Portable Crusher Engine C15 ACERT), 1014 (Portable Crusher Engine 3054C), and 1015 (Portable Crusher EXTEC) are operating in replacement. However, GP9-46-033 (Source ID 1013 and 1014) and GP3-46-0078 (Source ID 1015) are not a part of this renewal because the sources are portable and may operate at other facilities. GP9-46-0033 and GP3-46-0078 will remain stand-alone documents in effect for Source ID 1013, 1014, and 1015.

(5) Source ID 1010 (Diesel-fired Caterpillar Engine) has been removed from the plant and Source ID 1012 (New Caterpillar Diesel Engine) is operating in replacement. Source ID 1012 is currently operating under general plan approval No. 46-329-017 (GP-9) and is not a part of this renewal permit. The source will be incorporated under a separate action (administrative amendment). \*\* UPDATE October 2012 \*\* Caterpillar Diesel Engine (Source ID 1012) has been permanently shutdown \*\* see (f)(2)(ii) below for ERC information. \*\*

(6) Source ID 1011 (Cummins Diesel Engine) - Work Practice Standards from 25 Pa. Code § 129.203 and § 129.204 have been added to the permit because the source is greater than 1000 hp. Source testing requirements have been added to the permit in order to include a procedure for demonstrating compliance with the ammonia slip from the SCR and the NOx emission rate contained in Section D Source ID 1011 of the permit, Conditions #001 and #002, respectively. \*\* UPDATE October 2012 \*\* Cummins Diesel Engine (Source ID 1011) has been permanently shutdown \*\* see (f)(2)(i) below for ERC information. \*\*

(f) Minor Modification (APS 345203, AUTH 945353). The following is addressed with this modification:

(1) Source ID 1011 (Cummins Diesel Engine) and the associated control device C05 (SCR for Cummins Engine) and associated stack S05 (SCR Cummins Stack) have been removed from Section A (Site Inventory List) and Section D (Source Level Requirements) of the facility wide operating permit in connection with the ERC application submitted on August 23, 2012.

**SECTION H. Miscellaneous.**

(2) ERCs have been generated from the permanent shut down of two (2) engines at the quarry, as follows:

(i) Cummins Engine (Source ID 1011) – 0.435 tons VOC, 1.655 tons NO<sub>x</sub>, 4.888 tons SO<sub>x</sub> ERCS created on September 28, 2011. The expiration date for these ERCs is September 27, 2021.

(ii) Caterpillar Engine (Source ID 1012 - GP9 No. 46-329-017) – 0.383 tons VOC, 1.436 tons NO<sub>x</sub>, 4.346 tons SO<sub>x</sub> ERCS created on October 8, 2011. The expiration date for these ERCs is October 7, 2021.

(3) A condition has been added to Section C (Site Level Requirements), VII. Additional Requirements, regarding the ERC summary.

(g) Administrative Amendment (APS 345203, AUTH 974819).

(1) Terms and conditions from Plan Approval No. 46-0069E are incorporated into the SMOP with this administrative amendment. Plan Approval No. 46-0069E allows for the replacement of the old primary crusher (Source ID 1001) with a new primary crusher (Source ID 1007) with wet suppression system (C07) exhausting to the existing baghouse (C28). The post-control particulate matter emission limit for Source ID 1007 is revised from 124 lb/yr to 158 lbs/yr with this administrative amendment.

(2) Wet Suppression Systems have been revised as follows:

(i) C03 - Tertiary Crusher Wet Suppression System (remains the same)

(ii) C25 - Screens Wet Suppression System (previously noted as C03)

(iii) C07 - Primary Crusher Wet Suppression System (previously noted as C03)

(iv) C39 - Conveyors Wet Suppression System (previously noted as C03).

(h) Administrative Amendment (APS 345203, AUTH 1002953). Terms and conditions from Plan Approval No. 46-0069F are incorporated into the SMOP with this administrative amendment. Plan Approval No. 46-0069F allows for the replacement of the old tertiary crusher (Source ID 1003) with a new tertiary crusher (Source ID 1008) with wet suppression (C03).

(i) This permit is being renewed under APS No. 345203 and AUTH No. 1064724. The facility-wide 25 tpy NO<sub>x</sub> emission limit has been removed since there are no sources on site that can emit greater than this amount.

(j) Administrative Amendment (APS No. 345203; AUTH ID 1238882). Terms and condition from GP3-46-0153 (Source ID 1004 - Portable Crusher) and GP9-46-0102 (Source ID 1019 Scania Engine) are incorporated into the SMOP with this administrative amendment. The units may relocate to the following Highway Material sites:

SMOP No. 46-00069 Plymouth Meeting Quarry, Whitmarsh Township, Montgomery County

SMOP No. 46-00108 Perkiomenville Quarry, Marlborough Township, Montgomery County

SMOP No. 46-00236 Perkiomenville Batch Asphalt Plant, Marlborough Township, Montgomery County

SMOP No. 15-00054 Malvern Batch Asphalt Plant, East Whiteland Township, Chester County

SMOP No. 15-00055 Downingtown Batch Asphalt Plant, East Caln Township, Chester County.

(k) December 2019, this Permit has been amended to incorporate Plan Approval 46-0069G into this Permit under AUTH ID NO. 1292389.

(l) January 2021, this permit has been renewed under AUTH NO. 1322528 and APS ID NO. 345203.

(1) In this renewal GP3-46-0164 and GP9 46-0107 have been incorporated and given Source ID 1022 and Source ID 1023 respectively. This unit has been designated Portable #1 (P1).

(2) Previously incorporated GPs, GP3 46-0153 and GP9 46-0102, Source IDs 1004 and 1019 respectively have been designated Portable #3 (P3).

(m) May 04, 2023, permit opened for cause, Source 1023 was incorrectly designated as a combustion source in the operating permit. Source 1023 should have been designated a process. Source 1023A was created and was designated as a process to replace 1023. Source conditions for 1023 were copied to 1023A. Source 1023 was deleted and replaced with 1023A.



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

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