



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

**STATE ONLY SYNTHETIC MINOR OPERATING PERMIT**

Issue Date: December 29, 2021

Effective Date: December 29, 2021

Expiration Date: December 28, 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: 23-00024**

Synthetic Minor

Federal Tax Id - Plant Code: 24-0649400-4

**Owner Information**

Name: HANSON AGGREGATES PA LLC

Mailing Address: 7660 IMPERIAL WAY

GLEN MILLS QUARRY MIDDLETOWN PLT

ALLENTOWN, PA 18195

**Plant Information**

Plant: HANSON AGGREGATES PA LLC/GLEN MILLS QUARRY

Location: 23 Delaware County

23947 Thornbury Township

SIC Code: 1423 Mining - Crushed And Broken Granite

**Responsible Official**

Name: MARK E. KENDRICK

Title: V.P. - OPERATIONS

Phone: (610) 366 - 4627

Email: Mark.Kendrick@lehighhanson.com

**Permit Contact Person**

Name: ANDREW J GUTSHALL, P.G.

Title: ENVIRONMENTAL MGR

Phone: (610) 366 - 4819

Email: andrewgutshall@lehighhanson.com

[Signature] \_\_\_\_\_

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



## SECTION A. Table of Contents

### Section A. Facility/Source Identification

Table of Contents  
Site Inventory List

### Section B. General State Only Requirements

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #016 Reactivation
- #015 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.
- #024 Reporting
- #023 Report Format

### Section C. Site Level State Only Requirements

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

### Section D. Source Level State Only Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

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

### Section E. Source Group Restrictions

- E-I: Restrictions



## **SECTION A. Table of Contents**

- E-II: Testing Requirements
- E-III: Monitoring Requirements
- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

### **Section F. Alternative Operating Scenario(s)**

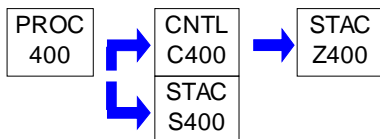
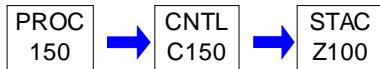
- F-I: Restrictions
- F-II: Testing Requirements
- F-III: Monitoring Requirements
- F-IV: Recordkeeping Requirements
- F-V: Reporting Requirements
- F-VI: Work Practice Standards
- F-VII: Additional Requirements

### **Section G. Emission Restriction Summary**

### **Section H. Miscellaneous**

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
150	AGGREGATE (SCREENS, CONVEYORS) EQUIPMENT TO WS1	1,200.000 Tons/HR	AGGREGATE
250	AGGREGATE (CRUSHING) EQUIPMENT TO 1SC BH	700.000 Tons/HR	AGGREGATE
300	AGGREGATE (CRUSHING) EQUIPMENT TO 3TC BH	990.000 Tons/HR	AGGREGATE
400	PORTABLE NONMETALLIC MINERAL PROCESSING PLANT	200.000 Tons/HR	RECYCLED ASPHALT PA
C150	WATER SPRAY DUST SUPPRESSION SYSTEM 1		
C250	1SC BAGHOUSE (DUST COLLECTOR)	N/A	PARTICULATES
C300	3TC BAGHOUSE (DUST COLLECTOR)	N/A	PARTICULATES
C400	WATER SPRAY DUST SUPPRESSION SYSTEM 2		
S250	1SC BAGHOUSE STACK		
S300	3TC BAGHOUSE STACK		
S400	PORTABLE PLANT STACK		
Z100	FUGITIVE EMISSIONS		
Z400	FUGITIVE EMISSIONS		

**PERMIT MAPS**

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

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

**#002 [25 Pa. Code § 127.446]****Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

**#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]****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 shall permit air pollution as that term is defined in the Air Pollution Control Act (P.S. Section 4003).

**# 002 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in § 123.44 and § 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).
- (9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (i) the emissions are of minor significance with respect to causing air pollution; and
  - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**# 003 [25 Pa. Code §123.2]****Fugitive particulate matter**

The permittee shall 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), if such emissions are visible at the point the emissions pass outside the person's property.

**# 004 [25 Pa. Code §123.31]****Limitations**

The permittee shall 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**

The permittee shall not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than three (3) minutes in any one (1) hour.
- (b) Equal to or greater than 60% at any time.

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §123.42]****Exceptions**

The emission limitations of 25 Pa. Code § 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

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

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

- (a) The permittee shall ensure the total combined PM 10 (which includes PM 2.5) emissions from the quarry and the adjacent HMA plant does not exceed 99.9 tons per year calculated on a 12-month rolling sum. (This includes emissions from stockpiles and roadways)
- (b) The permittee shall ensure that emission into the outdoor atmosphere of VOC from the quarry and the adjacent HMA plant does not exceed 24.9 tons per year, calculated on a 12-month rolling sum.
- (c) The permittee shall ensure that emission into the outdoor atmosphere of NOx from the quarry and the adjacent HMA plant does not exceed 24.9 tons per year, calculated on a 12-month rolling sum.

**Throughput Restriction(s).****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that no more than 50% of the output from the Glen Mills Quarry is used by the collocated Glen Mills Hot Mix Asphalt plant.

**II. TESTING REQUIREMENTS.****# 009 [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 listed in Sections A and H, of this permit, may be in excess of the limitations specified in this permit or in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III or 40 C.F.R. Part 60, 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, 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.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions shall be measured using either of the following:

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

**SECTION C. Site Level Requirements****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the following for the Glen Mills Quarry (Crushing Plant):

- (a) The amount of aggregate produced on a daily basis;
- (b) The total operation hours of the Crushing Plant on a daily basis;
- (c) The amount of fuel used on a monthly basis;
- (d) Shall calculate the PM-10, VOC, NO<sub>x</sub>, carbon monoxide (CO), and sulfur oxides (SO<sub>x</sub>) emissions from the quarry monthly and on a 12 month rolling sum (which includes the Haul Road emissions and stockpiling emissions);
- (e) Shall calculate the total combined emissions of PM-10, VOC, NO<sub>x</sub>, CO, and SO<sub>x</sub> from the quarry and the adjacent HMA plant monthly and on a 12 month rolling sum, (which includes the Haul Road emissions and stockpiling emissions).

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

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

- (a) The permittee shall monitor the facility, once per operating day, for the following:
  - (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
  - (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
  - (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).
- (b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:
  - (1) be investigated;
  - (2) be reported to the facility management, or individual(s) designated by the permittee;
  - (3) have appropriate corrective action taken (for emissions that originate on-site); and
  - (4) be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.
- (d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.
- (e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification, complaints, monitoring results, and/or Department findings.

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

The permittee shall keep records of the following for the Glen Mills Quarry (Crushing Plant):

- (a) The amount of aggregate produced on a daily basis;
- (b) The total operation hours of the Crushing Plant on a daily basis;
- (c) The amount of fuel used on a monthly basis;
- (d) Shall calculate the PM-10, VOC, NO<sub>x</sub>, carbon monoxide (CO), and sulfur oxides (SO<sub>x</sub>) emissions from the quarry monthly and on a 12 month rolling sum, (which includes the Haul Road emissions and stockpiling emissions);

**SECTION C. Site Level Requirements**

(e) Shall calculate the total combined emissions of PM-10, VOC, NOx, CO, and SOx from the quarry and the adjacent HMA plant monthly and on a 12 month rolling sum, (which includes the Haul Road emissions and stockpiling emissions).

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

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

The permittee shall keep 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; and
- (c) the corrective action taken, if necessary, to abate the situation and prevent future occurrences.

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

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

- (a) De minimis increases 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.

**# 016 [25 Pa. Code §135.5]****Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 Pa. Code § 135.3 and 25 Pa. Code § 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

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

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

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 C.F.R. 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 C.F.R. Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at a major 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 C.F.R. § 68.130; or,
    - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
  - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 C.F.R. § 68.190.
  - (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 C.F.R.



**SECTION C. Site Level Requirements**

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 C.F.R. § 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 C.F.R. 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 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a); or,
  - (2) Certify that this facility is in compliance with all requirements of 40 C.F.R. Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 C.F.R. Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 C.F.R. § 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 C.F.R. Part 68, appropriate enforcement action will be taken by the Department if:
- (1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.
  - (2) The permittee fails to submit a compliance schedule or include a statement in an annual Compliance Certification submittal for the previous year indicating compliance with the requirements of the terms and conditions of this permit, and the requirements of Section 112(r) of the Clean Air Act, 40 C.F.R. Part 68, and 25 Pa. Code § 127.512(i). The certification shall include:
    - (i) The identification of each term or condition of the permit that is the basis of the certification.
    - (ii) The compliance status.
    - (iii) The methods used for determining the compliance status of the source, currently and over the reporting period.
    - (iv) Whether compliance was continuous or intermittent.
- (g) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance of this permit.

**# 018 [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 at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (c) The report shall describe the following:
- (1) Name, permit or authorization number, and location of the facility;

**SECTION C. Site Level Requirements**

- (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; and
- (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.

**# 019 [25 Pa. Code §135.3]****Reporting**

The permittee, who has been previously advised by the Department to submit a source report, shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from all previously reported sources, new sources which were first operated during the preceding calendar year, and sources modified during the same period which were not previously reported, including those sources listed in the Miscellaneous Section of this permit.

**VI. WORK PRACTICE REQUIREMENTS.****# 020 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code § 123.1(a)(1-9), 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.

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

All sources identified in this operating permit shall be operated in accordance with manufacturer's specifications and good air pollution control practices.

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

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

**SECTION C. Site Level Requirements****# 023 [25 Pa. Code §129.14]****Open burning operations**

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

- (1) a fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer;
- (2) any fire set for the purpose of instructing personnel in fire fighting, when approved by the Department;
- (3) a fire set for the prevention and control of disease or pests, when approved by the Department;
- (4) a fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation;
- (5) 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;
- (6) a fire set solely for recreational or ceremonial purposes; or
- (7) a fire set solely for cooking food.

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

(a) Hanson Aggregates Pennsylvania, LLC, located on the Middletown and Thornbury townships sites, shall be treated as a single source for the purpose of major source applicability determinations.

(b) The aggregate of all pollutant emissions from both the Hanson Aggregates Pennsylvania, LLC. Glen Mills Quarry (SMOP 23-00024) and the Glen Mills HMA Plant (SMOP 23-00105) facilities shall be considered in the Department's and US EPA's determinations of applicability for air programs including, but not limited to the following:

- (1) Prevention of Significant Deterioration
- (2) New Source Review
- (3) Maximum Achievable Control Technology
- (4) Accidental Release Prevention requirements

(c) Any increase in emissions from pollutant-emitting activities at either plant shall be combined and aggregated to determine whether an applicable requirement is triggered at the site.

**# 025 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

The Portable Nonmetallic Mineral Processing Plant (Source ID 400) is subject to 40 C.F.R. Part 60, Subpart OOO, of the Standards of Performance for New Stationary and shall comply with all the applicable requirements of this subpart.

**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.

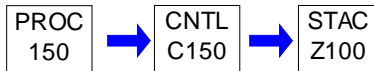
**SECTION D. Source Level Requirements**

Source ID: 150

Source Name: AGGREGATE (SCREENS, CONVEYORS) EQUIPMENT TO WS1

Source Capacity/Throughput: 1,200.000 Tons/HR AGGREGATE

Conditions for this source occur in the following groups: GRP1

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Total production from the primary crusher operations shall not exceed 7,250,000 tons per 12 month rolling period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the following information for the Aggregate Equipment (Screens, Conveyors) to Water Spray Dust Suppression System 1 (WS1) (Source ID 150):

- (a) The amount of aggregate produced on a daily basis;
- (b) The total operation hours of the Glen Mills Quarry (Crushing Plant) on a daily basis.

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain records of the following information for the Aggregate Equipment (Screens, Conveyors) to Water Spray Dust Collection System 1 (WS1) (Source ID 150):

- (a) The amount of aggregate produced on a daily basis;
- (b) The total operation hours of the Glen Mills Quarry (Crushing Plant) on a daily basis.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

The following equipment is associated with this Source Group: Aggregate (Screens, Conveyors) Equipment to Water Spray Dust Suppression System 1 (WS1) (Source ID 150):

Hanson ID	Equipment Description	Type	Max. Hourly Throughput (tons/hr)
CR1	Allis 5474 Gyrotory Crusher	Primary Crusher	1,000
S1	6' x 12' TD Deister	Primary Screen	1,000
S8	6' x 16' DD Deister	Primary Screen	620
S9	6' x 16' DD Deister	Screen	110
S10	8 x 20 Screen	Screen	600
S11	8 x 20 Screen	Screen	600
SB1	Gabion Storage Bin	Bin	100
SB2	Rip Rap Storage Bin	Bin	250
SB3	Ballast Storage Bin	Bin	50
SB4	1B Storage Bin	Bin	50
SB5	2B Storage Bin	Bin	50
C1	42" x 355' Conveyor	Transfer Point	1,000
C2	42" x 680' Conveyor	Transfer Point	1,000
C3	48" x 26' Conveyor	Transfer Point	620
C4A	42" x 106' Conveyor	Transfer Point	600
C4B	42" x 313' Conveyor	Transfer Point	600
C4C	42" x 373' Conveyor	Transfer Point	600
C4D	42" x 650' Conveyor	Transfer Point	600
C4E	36" x 200' Conveyor	Transfer Point	500
C4F	24" x 180' Conveyor	Transfer Point	500
C5	42" x 25' Conveyor	Transfer Point	50
C6	24" x 205' Conveyor	Transfer Point	200
C6A	24" x 100' Conveyor	Transfer Point	200
C6B	24" x 100' Conveyor	Transfer Point	200
C7	36" x 185' Conveyor	Transfer Point	620
C8	42" x 120' Conveyor	Transfer Point	700
C9	42" x 109' Conveyor	Transfer Point	80
C10	36" x 220' Conveyor	Transfer Point	220
C12	30" x 375' Conveyor	Transfer Point	220
C13	30" x 330' Conveyor	Transfer Point	220
C14	30" x 300' Conveyor	Transfer Point	220
C15	30" x 155' Conveyor	Transfer Point	220
C16	30" x 155' Conveyor	Transfer Point	220
C17	42" x 50' Conveyor	Transfer Point	220
C17A	36" x 26' Conveyor	Transfer Point	50
C18	42" x 50' Conveyor	Transfer Point	600
C18A	36" x 26' Conveyor	Transfer Point	400
C19	36" x 200' Conveyor	Transfer Point	600
C21	24" x 38' Conveyor	Transfer Point	220
C22	24" x 38' Conveyor	Transfer Point	220
C23	24" x 322' Conveyor	Transfer Point	220
C24	24" x 375' Conveyor	Transfer Point	220
C25	24" x 150' Conveyor	Transfer Point	220
C26	24" x 25' Conveyor	Transfer Point	110
C27	24" x 20' Conveyor	Transfer Point	110

**SECTION D. Source Level Requirements**

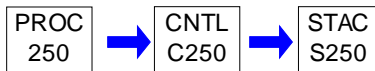
C28	24" x 330' Conveyor	Transfer Point	110
C29	24" x 165' Conveyor	Transfer Point	110
C30	24" x 150' Conveyor	Transfer Point	110
C31	24" x 350' Conveyor	Transfer Point	100
C31A	36" x 38' Conveyor	Transfer Point	200
C31B	24" x 20' Conveyor	Transfer Point	200
C32	24" x 155' Conveyor	Transfer Point	100
C33	24" x 150' Conveyor	Transfer Point	100
C38	24" x 46' Conveyor	Transfer Point	100
C39	24" x 16" Conveyor	Transfer Point	100
C40	24" x 36' Conveyor	Transfer Point	100
C41	24" x 123' Conveyor	Transfer Point	100
C42	30" x 86' Conveyor	Transfer Point	100
C43	24" x 83' Conveyor	Transfer Point	120
C44	24" x 21' Conveyor	Transfer Point	120
C45	24" x 137' Conveyor	Transfer Point	120
C46	42" x 375' Conveyor	Transfer Point	120

**SECTION D. Source Level Requirements**

Source ID: 250

Source Name: AGGREGATE (CRUSHING) EQUIPMENT TO 1SC BH

Source Capacity/Throughput: 700.000 Tons/HR AGGREGATE

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

Controlled emissions of particulate matter (PM) from this source shall not exceed the following emission rates:

- (a) 1.18 pounds per hour
- (b) 2.14 tons per 12-month rolling period
- (c) 0.02 grains per dry standard cubic feet

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

Total production from the secondary crusher shall not exceed 5,075,000 tons per 12 month rolling period.

**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 monitor the following information for the Aggregate (Crushing) Equipment to 1SC Baghouse (BH) (Source ID 250):

- (a) The amount of aggregate produced on a daily basis;
- (b) The total operation hours of the Glen Mills Quarry (Crushing Plant) on a daily basis.

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

The permittee shall maintain records of the following information for the Aggregate (Crushing) Equipment to 1SC Baghouse (BH) (Source ID 250):

- (a) The amount of aggregate produced on a daily basis;
- (b) The total operation hours of the Glen Mills Quarry (Crushing Plant) on a daily basis.

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

The permittee shall perform the following preventive maintenance for the 1SC Baghouse (BH) (Source ID C250):

- (a) A visual check of the condition of the outside piping and blowers, at least once per operating day.
- (b) Inspection and refurbishment of the bag blowdown mechanism, on a semi-monthly (when operated during that period).
- (c) Inspection of the blowers for general condition, unusual noises, and belt condition, on a monthly basis (when operated during that period).
- (d) Inspection and repair of cages, and change of filter bags, on an annual basis, or as needed. The permittee shall ensure that a sufficient quantity of spare filter bags shall be kept on hand for replacement.

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

The following equipment is associated with this Source Group: Aggregate (Crushing) Equipment to 1SC Baghouse (BH) (Source ID 250):

Hanson ID	Equipment Description	Type	Max. Hourly Throughput (tons/hr)
CR2	Symons Crusher	Secondary Crusher	700
S2	6' x 16' DD Deister	Secondary Screen	700
S4	7' x 20' DD Deister	Secondary Screen	220
S6	7' x 20' DD Deister	Secondary Screen	600
S7	6' x 16' DD Deister	Secondary Screen	200
S9	6' x 16' DD Deister	Secondary Screen	110



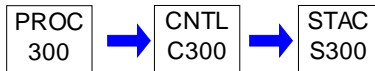
**SECTION D. Source Level Requirements**

Source ID: 300

Source Name: AGGREGATE (CRUSHING) EQUIPMENT TO 3TC BH

Source Capacity/Throughput: 990.000 Tons/HR AGGREGATE

Conditions for this source occur in the following groups: GROUP 2

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

Controlled emissions of particulate matter (PM) from this source shall not exceed the following emission rates:

- (a) 2.69 pounds per hour
- (b) 4.86 tons per 12-month rolling period
- (c) 0.02 grains per dry standard cubic feet (compliance with this limit assures PM compliance with 40 C.F.R 60.672)

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

Total Production from the three (3) tertiary crushers combined shall not exceed 7,177,500 tons per 12 month rolling period.

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the following information for the Aggregate (Crushing ) Equipment to 3TC Baghouse (BH) (Source ID 300):

- (a) The amount of aggregate produced on a daily basis;
- (b) The total operation hours of the Glen Mills Quarry (Crushing Plant) on a daily basis.

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

The permittee shall maintain records of the following information for the Aggregate (Crushing) Equipment to 3TC Baghouse (BH) (Source ID 300):

- (a) The amount of aggregate produced on a daily basis;
- (b) The total operation hours of the Glen Mills Quarry (Crushing Plant) on a daily basis.

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

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

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

The permittee shall perform the following preventive maintenance for the 3TC Baghouse (BH) (Source ID C300):

- (a) A visual check of the condition of the outside piping and blowers, at least once per operating day.
- (b) Inspection and refurbishment of the bag blowdown mechanism, on a semi-monthly (when operated during that period).
- (c) Inspection of the blowers for general condition, unusual noises, and belt condition, on a monthly basis (when operated during that period).
- (d) Inspection and repair of cages, and change of filter bags, on an annual basis, or as needed. The permittee shall ensure that a sufficient quantity of spare filter bags shall be kept on hand for replacement.

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

The following equipment is associated with this Source Group: Aggregate (Crushing) Equipment to 3TC Baghouse (BH) (Source ID 300):

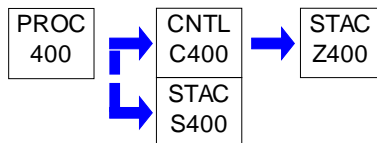
Hanson ID	Equipment Description	Type	Max. Hourly Throughput (tons/hr)	Manufacturer/ Model No.
CR3	Cone Crusher	Tertiary Crusher	290	Symons Metso/HP300
CR5	Cone Crusher	Tertiary Crusher	250	Nordberg/1560 Omniscone SH
CR6	Cone Crusher	Tertiary Crusher	250	Nordberg/1560 Omniscone Std Crusher
S3	7' x 16' DD Deister	Tertiary Screen	450	
S5	7' x 16' DD Deister	Tertiary Screen	650	
C34	24" x 70' Conveyor	Transfer Point	160	
C35	24" x 72' Conveyor	Transfer Point	250	
C36	24" x 74' Conveyor	Transfer Point	200	
C37	24" x 78' Conveyor	Transfer Point	250	

**SECTION D. Source Level Requirements**

Source ID: 400

Source Name: PORTABLE NONMETALLIC MINERAL PROCESSING PLANT

Source Capacity/Throughput: 200.000 Tons/HR RECYCLED ASPHALT PAVEMENT

Conditions for this source occur in the following groups: GROUP 2  
GRP1**I. RESTRICTIONS.**

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

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

In the absence of site specific stack test results, the nitrogen oxide (NOx) emissions shall be calculated using:

- (a) Emission factors from the Environmental Protection Agency's (EPA) publication AP-42 (Compilation of Air Pollution Emission Factors); or,
- (b) Other emission estimates approved by the Department.

**# 002 [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 the Portable Nonmetallic Mineral Processing Plant (Source ID 400) are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the permittee shall conduct tests deemed necessary by the Department to determine the actual emission rate(s).
- (b) The permittee shall perform such testing in accordance with applicable provisions of 25 Pa. Code Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department at the time the permittee is notified, in writing, of the testing requirement.

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

The permittee shall monitor the following information for the Portable Nonmetallic Mineral Processing Plant (Source ID 400):

- (a) The amount of aggregate produced on a daily basis;
- (b) The amount of fuel fired on a monthly basis;
- (c) The total operation hours of the Portable Nonmetallic Mineral Processing Plant on a daily basis.
- (d) Shall calculate the NMHC+NOx, CO and PM emissions from the engine on a monthly basis.

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

The permittee shall keep records of the following information for the Portable Nonmetallic Mineral Processing Plant (Source ID 400):

**SECTION D. Source Level Requirements**

- (a) The amount of aggregate produced on a daily basis;
- (b) The amount of fuel used on a monthly basis;
- (c) The total operation hours of the Portable Nonmetallic Mineral Processing Plant on a daily basis.
- (d) Shall keep records of the NMHC+NO<sub>x</sub>, CO and PM emissions from the engine on a monthly basis.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall ensure that the operation of the Portable Nonmetallic Mineral Processing Plant (Source ID 400) shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. Code § 123.1 and 25 Pa. Code § 123.2. All reasonable actions shall be taken to prevent particulate matter from becoming airborne. These actions include, but are not limited to the following:

- (a) Proper installation of a water spray dust suppression system and operation in accordance with manufacturer's specifications or proper design, installation, and operation of a fabric collector.
- (b) Application of asphalt, water or suitable chemicals on dirt roads, materials stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of plant 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, erosions by water, or other means.

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

- (a) The permittee shall ensure that the operation of the Water Spray Dust Suppression Systems (Source IDs C150 and C400) on the Portable Nonmetallic Mineral Processing Plant (Source ID 400) shall be operated on any and all occasions that the portable plant is operating.
- (b) Operation without the simultaneous operation of the Water Spray Dust Suppression Systems can take place only in those instances where the processed materials contain sufficient moisture so as not to create air contaminant emissions in excess of the limitations in the State Only Operating Permit.

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

The following equipment is associated with this source group Portable Nonmetallic Mineral Processing Plant (Source ID 400):

Hanson ID	Equipment Description	Type	Max. Hourly Throughput (tons/hr)	Capacity (hp)
----	2008 Deutz Diesel Generator	BF4M2012C	---	74.9 kW (100.4 hp)
PS-1	44" x 16' Grizzly Pan Feeder	Screen	200	---
PC-1	36" x 19' Power Screen Conveyor	Conveyor	200	---
PC-2	36" x 64' Stacking Conveyor	Conveyor	200	---

**SECTION D. Source Level Requirements**

# 008 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall use the following emission factors when calculating emissions from the Deutz Diesel Generator (100.4 hp):

Non methane hydro-carbons plus Nitrous Oxides (NMHC + NOx) the emission factor are:

3.2 g/kw-hr, 2.39 g/hp-hr or 0.53 lb/hr

Carbon Monoxide (CO) the emission factors are:

1.1 g/kw-hr, 0.82 g/hp-hr or 0.181 lb/hr

Particulate Matter (PM) the emission factors are:

0.21 g/kw-hr, 0.157 g/hp-hr or 0.035 lb/hr

The emission factors for the Deutz Diesel Generator (110.4 hp) were supplied by the manufacturer certifying the engine.

**SECTION D. Source Level Requirements**

Source ID: C250

Source Name: 1SC BAGHOUSE (DUST COLLECTOR)

Source Capacity/Throughput:

N/A

PARTICULATES

Conditions for this source occur in the following groups: GRP2

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

The permittee shall limit the PM emissions from the 1SC baghouse to:

- (a) 1.18 pounds per hour, averaged daily
- (b) 2.14 tons per year, calculated on a 12-month rolling sum
- (c) 0.02 grains per dry standard cubic feet

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

The permittee shall limit the airflow in the 1SC baghouse to 11,000 acfm, or less.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

The 1SC Baghouse (Source ID C250) is used as a control of particulate matter emissions from the secondary crusher (CR2).

**SECTION D. Source Level Requirements**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Baghouse manufactured by Baghouse America (BHA), Model R 8-56 79.

**SECTION D. Source Level Requirements**

Source ID: C300

Source Name: 3TC BAGHOUSE (DUST COLLECTOR)

Source Capacity/Throughput:

N/A

PARTICULATES

Conditions for this source occur in the following groups: GRP2

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

The permittee shall limit the PM emissions from the 3TC baghouse to:

- (a) 2.69 pounds per hour or less, averaged daily
- (b) 4.86 tons per year, calculated on a 12-month rolling sum
- (c) 0.02 grains per dry standard cubic foot

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

The permittee shall limit the airflow through the 3TC baghouse to 25,000 acfm, or less.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

The 3TC Baghouse (Source ID C300) is used as a control of particulate matter emissions from the tertiary crushing circuit (CR3, CR5, and CR6).



**SECTION D. Source Level Requirements**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Baghouse manufactured by Baghouse America (BHA), Model R 13 117 79.

**SECTION E. Source Group Restrictions.**

Group Name: GROUP 2

Group Description: Subpart OOO ID 300 and 400

Sources included in this group

ID	Name
300	AGGREGATE (CRUSHING) EQUIPMENT TO 3TC BH
400	PORTABLE NONMETALLIC MINERAL PROCESSING PLANT

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Test methods and procedures.**

(a) In conducting the performance tests required in 40 C.F.R. § 60.8, the owner or operator shall use as reference methods and procedures the test methods in Appendix A of 40 C.F.R. Part 60 or other methods and procedures as specified in 40 C.F.R. § 60.675, except as provided in 40 C.F.R. § 60.8(b). Acceptable alternative methods and procedures are given in paragraph (e) of this condition.

(b) The owner or operator shall determine compliance with the particulate matter standards in 40 C.F.R. § 60.672(a) as follows:

(1) Method 5 or Method 17 shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5, if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121°C (250°F), to prevent water condensation on the filter.

(2) Method 9 and the procedures in 40 C.F.R. § 60.11 shall be used to determine opacity.

(c)(1) In determining compliance with the particulate matter standards in 40 C.F.R. §§ 60.672(b) and (e)(1), the owner or operator shall use Method 9 and the procedures in 40 C.F.R. § 60.11, with the following additions:

(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9, Section 2.1) must be followed.

(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.

(2) In determining compliance with the opacity of stack emissions from any baghouse that controls emissions only from an individual enclosed storage bin under 40 C.F.R. § 60.672(f), using Method 9, the duration of the Method 9 observations shall be 1 hour (ten 6-minute averages).

(3) When determining compliance with the fugitive emissions standard for any affected facility described under 40 C.F.R. § 60.672(b), the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

(i) There are no individual readings greater than 10 percent opacity; and

(ii) There are no more than 3 readings of 10 percent for the 1-hour period.

(4) When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used as described under 40 C.F.R. § 60.672(c), the duration of the Method 9 observations may be reduced from 3 hours

**SECTION E. Source Group Restrictions.**

(thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply:

- (i) There are no individual readings greater than 15 percent opacity, and
- (ii) There are no more than 3 readings of 15 percent for the 1-hour period.

(d) In determining compliance with 40 C.F.R. § 60.672(e), the owner or operator shall use Method 22 to determine fugitive emissions. The performance test shall be conducted while all affected facilities inside the building are operating. The performance test for each building shall be at least 75 minutes in duration, with each side of the building and the roof being observed for at least 15 minutes.

(e) The owner or operator may use the following as alternatives to the reference methods and procedures specified in this condition: for the method and procedure of paragraph (c) of this condition, if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

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

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

(f) To comply with 40 C.F.R. § 60.676(d), the owner or operator shall record the measurements as required in 40 C.F.R. § 60.676(c) using the monitoring devices in 40 C.F.R. §§ 60.674(a) and (b) during each particulate matter run and shall determine the averages.

(g) If, after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting any rescheduled performance test required in this condition, the owner or operator of an affected facility shall submit a notice to the Department and EPA at least 7 days prior to any rescheduled performance test.

(h) Initial Method 9 performance tests under 40 C.F.R. §§ 60.11 and 60.675 are not required for:

(1) Wet screening operations and subsequent screening operations, bucket elevators, and belt conveyors that process saturated material in the production line up to, but not including the next crusher, grinding mill or storage bin.

(2) Screening operations, bucket elevators, and belt conveyors in the production line downstream of wet mining operations, that process saturated materials up to the first crusher, grinding mill, or storage bin in the production line.

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

**# 002 [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.**

(a) Each owner or operator seeking to comply with 40 C.F.R. § 60.670(d) shall submit to the Department and EPA the following information about the existing facility being replaced and the replacement piece of equipment.

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

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

**SECTION E. Source Group Restrictions.**

(2) For a screening operation:

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

(3) For a conveyor belt:

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

(4) For a storage bin:

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

(b) The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 C.F.R. § 60.672, including reports of opacity observations made using Method 9 to demonstrate compliance with 40 C.F.R. §§ 60.672(b), (c), and (f), and reports of observations using Method 22 to demonstrate compliance with 40 C.F.R. § 60.672(e).

(c) The owner or operator of any screening operation, bucket elevator, or belt conveyor that processes saturated material and is subject to 40 C.F.R. § 60.672(h) and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the 10 percent opacity limit in 40 C.F.R. § 60.672(b) and the emission test requirements of 40 C.F.R. § 60.11 and 40 C.F.R. Part 60, Subpart OOO. Likewise a screening operation, bucket elevator, or belt conveyor that processes unsaturated material but subsequently processes saturated material shall submit a report of this change within 30 days following such change. This screening operation, bucket elevator, or belt conveyor is then subject to the no visible emission limit in 40 C.F.R. § 60.672(h).

(d) The requirement under 40 C.F.R. § 60.7(a)(2) for notification of the anticipated date of initial startup of an affected facility shall be waived for owners or operators of affected facilities regulated under 40 C.F.R. Part 60, Subpart OOO.

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

The permittee shall comply with all conditions of 40 CFR Subpart OOO 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, and 123.13(c), and 123.41.
- (b) 40 CFR Part 60 Subpart OOO.

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

(a)(1) Except as provided in paragraphs (a)(2), (b), (c), and (d) of this condition, the provisions of 40 C.F.R. Part 60, Subpart OOO, are applicable to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. Also, crushers and grinding mills at hot mix asphalt facilities that reduce the size of nonmetallic minerals embedded in recycled asphalt pavement and subsequent affected facilities up to, but not including, the first storage silo or bin are subject to the provisions of 40 C.F.R. Part 60, Subpart OOO.

**SECTION E. Source Group Restrictions.**

- (2) The provisions of 40 C.F.R. Part 60, Subpart OOO, do not apply to the following operations: All facilities located in underground mines; and stand-alone screening operations at plants without crushers or grinding mills.
- (b) An affected facility that is subject to the provisions of 40 C.F.R. Part 60, Subpart F or I, or that follows in the plant process any facility subject to the provisions of 40 C.F.R. Part 60, Subpart F or I, is not subject to the provisions of 40 C.F.R. Part 60, Subpart OOO.
- (c) Facilities at the following plants are not subject to the provisions of 40 C.F.R. Part 60, Subpart OOO:
- (1) Fixed sand and gravel plants and crushed stone plants with capacities, as defined in 40 C.F.R. § 60.671, of 23 megagrams per hour (25 tons per hour) or less;
  - (2) Portable sand and gravel plants and crushed stone plants with capacities, as defined in 40 C.F.R. § 60.671, of 136 megagrams per hour (150 tons per hour) or less; and
  - (3) Common clay plants and pumice plants with capacities, as defined in 40 C.F.R. § 60.671, of 9 megagrams per hour (10 tons per hour) or less.
- (d)(1) When an existing facility is replaced by a piece of equipment of equal or smaller size, as defined in 40 C.F.R. § 60.671, having the same function as the existing facility, the new facility is exempt from the provisions of 40 C.F.R. §§ 60.672, 60.674, and 60.675 except as provided for in paragraph (d)(3) of this condition.
- (2) An owner or operator complying with paragraph (d)(1) of this condition shall submit the information required in 40 C.F.R. § 60.676(a).
  - (3) An owner or operator replacing all existing facilities in a production line with new facilities does not qualify for the exemption described in paragraph (d)(1) of this condition and must comply with the provisions of 40 C.F.R. §§ 60.672, 60.674 and 60.675.
- (e) An affected facility under paragraph (a) of this condition that commences construction, reconstruction, or modification after August 31, 1983 is subject to the requirements of 40 C.F.R. Part 60, Subpart OOO.
- (f) Table 1 of 40 C.F.R. Part 60, Subpart OOO, specifies the provisions of 40 C.F.R. Part 60, Subpart A, that apply and those that do not apply to owners and operators of affected facilities subject to 40 C.F.R. Part 60, Subpart OOO.

**SECTION E. Source Group Restrictions.**

Group Name: GRP1

Group Description: Water Spray Dust Suppression System Conditions

**Sources included in this group**

ID	Name
150	AGGREGATE (SCREENS, CONVEYORS) EQUIPMENT TO WS1
400	PORTABLE NONMETALLIC MINERAL PROCESSING PLANT

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the Water Spray Dust Suppression System control device associated with this source is operated on any and all occasions that the source is operating, except in those unusual instances where conditions are such that operation of the source without the simultaneous operation of the Water Spray Dust Suppression System can occur without creating air contaminant emissions in excess of the limitations specified in this permit or in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III or 40 C.F.R. Part 60. If, however the Water Spray Dust Suppression System is incapable of operation due to weather conditions or any other reason, this source may not be operated at all.

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: GRP2

Group Description: Baghouse Conditions

Sources included in this group

ID	Name
C250	1SC BAGHOUSE (DUST COLLECTOR)
C300	3TC BAGHOUSE (DUST COLLECTOR)

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

The baghouse shall maintain a minimum particulate matter removal efficiency of 99 percent or greater.

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

- (a) The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.
- (b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
- (c) The stack test shall, at a minimum, test for the Particulate Matter emissions for each baghouse (the hourly emission rates and concentrations limits of this permit). Tests shall be conducted in accordance with the provisions of EPA Method 5 testing per the provisions of 40 C.F.R. Part 60, Appendix A-3 and EPA Method 202 testing per the provisions of 40 C.F.R. Part 51, Appendix M, or other Department approved methodology and shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139 and the methods and procedures contained in the test protocol submitted to and approved by the Department.
- (d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
- (e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), an electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
- (f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

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

- (a) The permittee shall email all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Southeast Region  
RA-EPSEstacktesting@pa.gov

Central Office

**SECTION E. Source Group Restrictions.**

RA-EPstacktesting@pa.gov

(b) The following pertinent information shall be listed on the title page.

1. Test Date(s)

- a. For protocols, provide the proposed date on which testing will commence or "TBD"
- b. For reports, provide the first and last day of testing

2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF ID under which the protocol was stored in PSIMS, as indicated in the protocol response letter.

3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment

4. Testing Requirements (all that apply) engineer: edit as necessary, be specific if it helps

- a. Plan approval number(s)
- b. Operating permit number
- c. Applicable federal subpart(s) (i.e. 40 CFR 60, Subpart JJJJ)
- d. Special purpose(s) (Consent Order, RFD, RACT II, Tier II, etc.)

(c) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

**III. MONITORING REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall monitor the pressure drop across the 1SC Baghouse (Source ID C250) and the 3TC Baghouse (Source ID C300) once per day, when operating.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall keep records of the pressure drop across the 1SC Baghouse (Source ID C250) and the 3TC Baghouse (Source ID C300) once per day, when operating.

(b) The permittee shall keep a record of all stack tests that are required.

(c) The permittee shall maintain and keep a copy of the manufacturer's specifications for the baghouse.

(d) The permittee shall keep records to show compliance with the emission limitations.

**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 keep on hand a sufficient quantity of spare fabric collector bags for the fabric filter dust collector baghouses in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operations.



**SECTION E. Source Group Restrictions.****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that the fabric filter dust collector baghouses will always be on during operation, start-up, shut down or disruption of equipment vented to devices. The permittee shall ensure that all associated processes will be ceased if a malfunction to either baghouse causes exceedance of emission standards.

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

(a) The permittee shall ensure that the 1SC Baghouse (Source ID C250) and the 3TC Baghouse (Source ID C300) are equipped with a device for monitoring the differential pressure across the dust collector. The permittee shall ensure that the differential pressure device is operated and maintained in accordance with manufacturer's specifications.

(b) The permittee shall ensure that the compressed air sources for the control devices shall be equipped and operated with air dryers and oil traps.

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

The permittee shall ensure that the dust collector baghouse operates within a pressure drop range of 3 to 6 inches (w.g.).

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
250	AGGREGATE (CRUSHING) EQUIPMENT TO 1SC BH		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.020	gr/DRY FT3	Applies to controlled emissions.	TSP
1.180	Lbs/Hr	Applies to controlled emissions.	TSP
2.140	Tons/Yr	Determined on a 12-month rolling period; applies to controlled emissions.	TSP
300	AGGREGATE (CRUSHING) EQUIPMENT TO 3TC BH		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.020	gr/DRY FT3	Applies to controlled emissions.	TSP
2.690	Lbs/Hr	Applies to controlled emissions.	TSP
4.860	Tons/Yr	Determined on a 12-month rolling period; applies to controlled emissions.	TSP
C250	1SC BAGHOUSE (DUST COLLECTOR)		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.020	gr/DRY FT3		TSP
1.180	Lbs/Hr		TSP
2.140	Tons/Yr	Determined on a 12-month rolling period	TSP
C300	3TC BAGHOUSE (DUST COLLECTOR)		
<b>Emission Limit</b>		<b>Pollutant</b>	
0.020	gr/DRY FT3		TSP
2.690	Lbs/Hr		TSP
4.860	Tons/Yr	Determined on a 12-month rolling period	TSP

**Site Emission Restriction Summary**

Emission Limit		Pollutant
24.900 Tons/Yr	12-month rolling sum; applies to combined emissions from the quarry and the adjacent HMA plant	VOC
24.900 Tons/Yr	12-month rolling sum; applies to combined emissions from the quarry and the adjacent HMA plant	NOX
99.900 Tons/Yr	12-month rolling sum; applies to combined emissions from the quarry and the adjacent HMA plant	PM10

**SECTION H. Miscellaneous.**

(a) The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C of this permit, do not require limitations, monitoring, or recordkeeping:

- (1) Transport and Handling
- (2) Truck Loadout
- (3) Ortner Material Washer

(b) The previously issued Operating Permits and Plan Approvals listed below are the basis for this State Only Operating Permit, Synthetic Minor (APS ID: 365712, Auth ID: 474251):

- (1) Operating Permit OP-23-0024 (Two Batch Asphalt Plants)
- (2) Plan Approval 23-0024B (Hot Mix Asphalt and Recycled Asphalt Pavement Plants)
- (3) General Plan Approval and General Operating Permit (BAQ-GPA/GP-3) - 23-310-015GP (Portable Nonmetallic Mineral Processing Plant). This operating permit was issued May 20, 2002 and will expire on May 19, 2007.

(c) This operating permit has been ammended to incorporate Plan Approval No. PA-23-0024D (APS ID: 365712, Auth ID: 736426).

(d) This operating permit has been renewed for another 5-year term (APS ID: 365712, Auth ID: 852622). This operating permit reflects the decommissioning of tertiary crusher CR4.

APS: 365712 AUTH: 1092213

(a) This operating permit has been renewed.

(b) The renewal removed all permit conditions relating to area of stockpiles and vehicle miles traveled. The company submitted alternate detailed calculations based on aggregate production that will determine the same emissions.

(c) The renewal revised the engine data associated with Source ID 400, the engine was replaced and the new information was added under Additional Requirements for this Source ID.

APS: 365712 AUTH: 1324427

This operating permit has been renewed.



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

---