



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

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date:	January 31, 2022	Effective Date:	February 13, 2025
Revision Date:	February 13, 2025	Expiration Date:	January 30, 2027
Revision Type:	Amendment		

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 46-00044

Synthetic Minor

Federal Tax Id - Plant Code: 23-1386976-7

Owner Information

Name: GLASGOW INC
Mailing Address: PO BOX 1089
GLENSIDE, PA 19038-6089

Plant Information

Plant: GLASGOW INC/MCCOY QUARRY & ASPHALT PLTS
Location: 46 Montgomery County 46955 Upper Merion Township
SIC Code: 1422 Mining - Crushed And Broken Limestone

Responsible Official

Name: JEFF FRANTZ
Title: VICE PRESIDENT
Phone: (215) 884 - 8800 Email: jeff.frantz@glasgowinc.com

Permit Contact Person

Name: BRIAN K CHABAK
Title: ENV MGR
Phone: (215) 884 - 8800 Email: brian.chabak@glasgowinc.com

[Signature] _____
JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER



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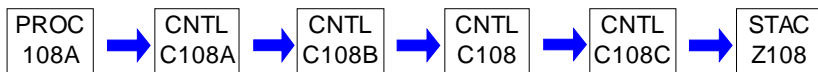
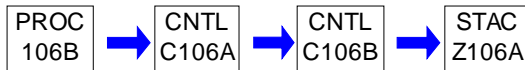
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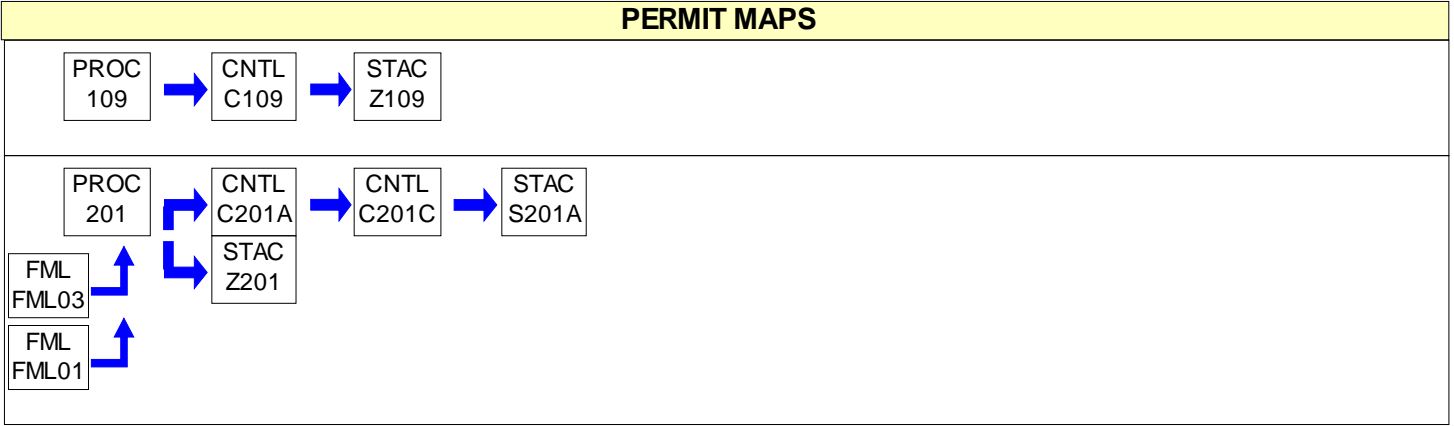
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
106B	PRIMARY STONE CRUSHING PLANT	1,000.000 Tons/HR	STONE
107	SECONDARY STONE SCREENING OPERATION	1,200.000 Tons/HR	STONE
108A	SECONDARY STONE CRUSHING PLANT	1,200.000 Tons/HR	STONE
109	PRODUCT SCREENING OPERATION	1,200.000 Tons/HR	STONE
201	BATCH HOT MIX ASPHALT (HMA) PLANT	240.000 Tons/HR	HMA
		65.000 MCF/HR	Natural Gas
		474.000 Gal/HR	#2 Oil
C106A	PRIMARY STONE CRUSHING PLANT MATERIAL TRANSFER TUNNEL		
C106B	PRIMARY STONE CRUSHING PLANT WATER SPRAY DUST SUPPRESS SYS		
C107	SECONDARY STONE SCREENING BUILDING		
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C201C	BATCH HMA PLANT BAGHOUSE		
FML01	NATURAL GAS PIPELINE		
FML03	5,000-GAL NO. 2 FUEL OIL ABOVEGROUND STORAGE TANK (AST)		
S201A	BATCH HMA PLANT BAGHOUSE STACK		
Z106A	PRIMARY STONE CRUSHING PLANT FUGITIVE EMISSIONS		
Z107	SECONDARY STONE SCREENING OPERATION FUGITIVE EMISSIONS		
Z108	SECONDARY STONE CRUSHING PLANT FUGITIVE EMISSIONS		
Z109	PRODUCT SCREENING OPERATION FUGITIVE EMISSIONS		
Z201	BATCH HMA PLANT FUGITIVE EMISSIONS		

PERMIT MAPS



PERMIT MAPS



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

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

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

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

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

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

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

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

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

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

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

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

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

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

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

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

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

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

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

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

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

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

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

**SECTION B. General State Only Requirements**

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

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

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

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

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

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

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

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

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]**Operating Permit Modifications**

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

**SECTION B. General State Only Requirements**

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

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

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

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

#012 [25 Pa. Code § 127.441]**Severability Clause.**

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

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
 - (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
 - (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
 - (4) Space heaters which heat by direct heat transfer.
 - (5) Laboratory equipment used exclusively for chemical or physical analysis.
 - (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
 - (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
 - (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**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 § 127.11a]**Reactivation of Sources**

(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.**

The permittee shall not cause or permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. § 4003).

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of fugitive air contaminants does not occur from any source, except for the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14 (see Condition # 009(a)–(g), Section C, of this permit).
- (g) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (h) Sources and classes of sources other than those indicated in (a)–(g), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the sources, after appropriate controls, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution.
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

[Compliance with this streamlined permit condition assures compliance with 40 CFR § 60.672(b), (d), and (e)(1).]

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(h), Section C, of this permit) occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

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

The permittee shall ensure that emission into the outdoor atmosphere of any malodorous air contaminants from any source occurs in such a manner that the malodors are not detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §123.41]**Limitations**

Except as specified in Condition # 002, Section D (under Source ID 201), of this permit, the permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this facility occurs in such a manner that the opacity of the emission is neither of the following:

**SECTION C. Site Level Requirements**

(a) Equal to or greater than 20% for a period or periods aggregating more than 3 minutes in any 1 hour.

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

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

The emission restrictions specified in 25 Pa. Code § 123.41 (see Condition # 005(a)–(b), Section C, of this permit) shall not apply to a visible air contaminant emission in either of the following instances:

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

(b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(c) When the emission results from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(h), Section C, of this permit).

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

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (NO_x) from this facility occurs in such a manner that the rate of the emission is less than 25 tons/yr, calculated monthly as a 12-month rolling sum.

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

The permittee shall ensure that emission into the outdoor atmosphere of volatile organic compounds (VOCs) from this facility occurs in such a manner that the rate of the emission is less than 25 tons/yr, calculated monthly as a 12-month rolling sum.

009 [25 Pa. Code §129.14]**Open burning operations**

The permittee shall not perform any open burning activities, except for the following:

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

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

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

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

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

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

(g) A fire set solely for cooking food.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

(a) If, at any time, the Department has cause to believe that air contaminant emissions from any source(s) listed in Sections A or H, of this permit, may be in excess of the restrictions specified in this permit or established pursuant to any

**SECTION C. Site Level Requirements**

applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III, the permittee shall be required to perform whatever test(s) is deemed necessary by the Department to determine the actual emission rate(s).

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

III. MONITORING REQUIREMENTS.**# 011 [25 Pa. Code §123.43]****Measuring techniques**

The permittee may measure visible air contaminant emissions using either of the following:

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

- (a) The permittee shall monitor this facility, at least once per operating day, for the following:
 - (1) Odors, which may be objectionable (as per 25 Pa. Code § 123.31; see Condition # 004, Section C, of this permit).
 - (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42; see Conditions # 005–006, Section C, of this permit, respectively).
 - (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2; see Conditions # 002–003, Section C, of this permit, respectively).
- (b) Objectionable odors, visible air contaminant emissions, and/or fugitive air contaminant emissions that are caused or may be caused by operations at the facility shall:
 - (1) Be investigated.
 - (2) Be reported to the facility management, or individual(s) designated by the permittee.
 - (3) Have appropriate corrective action taken (for emissions that originate on-site).
 - (4) Be recorded in a permanent written log.
- (c) The Department reserves the right to change the above monitoring requirements at any time, based on, but not limited to, the review of complaints, monitoring results, and/or Department findings.

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

The permittee shall calculate the following emissions from this facility on a monthly and 12-month rolling basis, using a Department-approved method(s):

- (a) The total NO_x emissions.
- (b) The total VOC emissions.

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain all records, reports, and analysis results generated in compliance with the requirements of any section of this permit in accordance with Condition # 020(b), Section B, of this permit, and shall make them available to the Department upon written or verbal request within a reasonable time.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall maintain records of all monitoring of odors, visible air contaminant emissions, and fugitive air contaminant emissions for this facility, including deviations from the conditions found in Conditions # 002–005, Section C, of this permit. All records of deviations shall include, at a minimum, the following for each incident:

- (1) A description of the deviation.
- (2) The source(s) and/or associated air pollution control device(s) and location(s).
- (3) The duration (including the starting and ending date(s) and times).
- (4) The cause(s).
- (5) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

(b) The permittee shall maintain records of the monitoring in a Department-approved format and time frame.

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

The permittee shall maintain records of all of this facility's emission increases, including the following types, in accordance with 25 Pa. Code § 127.449:

- (a) De minimis emission increases without notification to the Department.
- (b) De minimis emission increases with notification to the Department, via letter.
- (c) Emission increases resulting from a Request for Determination of Changes of Minor Significance and Exemption from Plan Approval/Operating Permit (RFD) to the Department.
- (d) Emission increases resulting from the issuance of a plan approval and subsequent operating permit.

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

The permittee shall maintain records of the following emissions from this facility on a monthly and 12-month rolling basis, calculated using a Department-approved method(s):

- (a) The total NO_x emissions.
- (b) The total VOC emissions.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.7(b) and 25 Pa. Code Chapter 122 and § 127.443(b).]

- (a) The permittee shall report malfunctions, emergencies, or other incidents that result in excess emissions to the

**SECTION C. Site Level Requirements**

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

(b) When the malfunction, emergency, or other incident that results in excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department by telephone at 484-250-5920, as well as to the County Emergency Management Agency by telephone, within 1 hour after the discovery of the malfunction, emergency, or incident. The owner or operator shall submit a written or e-mailed report of instances of such malfunctions, emergencies, or incidents to the Department within 3 business days of the telephone report.

(c) The report shall describe the following:

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

(d) Any malfunction, emergency, or incident that results in excess emissions that is not subject to the notice requirements specified in (b), above, shall be reported to the Department by telephone at 484-250-5920 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 5 business days of discovery. The report shall contain the information listed in (c)(1)–(6), above, 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 (b)–(d), above, as applicable, including any permit-specific malfunction reporting requirements.

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

(g) Any emissions resulting from a 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 §127.441]**Operating permit terms and conditions.**

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

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

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) that meets all applicable provisions of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the

**SECTION C. Site Level Requirements**

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

VI. WORK PRACTICE REQUIREMENTS.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.1(c) and 127.443(b).]

The permittee shall take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(h), Section C, of this permit) 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, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces that may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved roads or streets onto which earth or other material has been

**SECTION C. Site Level Requirements**

transported by trucking or earth moving equipment, erosion by water, or other means. All affected portions of paved roads, including 250 feet of public highway on either side of the access road, shall be controlled through cleaning by a pressurized water truck or a vacuum road sweeper at least twice per operating week, weather permitting.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.11(d) and 25 Pa. Code Chapter 122 and § 127.444.]

The permittee shall ensure that the source(s) and associated air pollution control device(s) listed in Sections A and H, of this permit, are operated and maintained in a manner consistent with good safety, operating and maintenance, and air pollution control practices, as applicable, and in accordance with the manufacturers' specifications.

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

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable restrictions, if at any time the operation of a source(s) listed in Sections A or H, of this permit, is causing the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III.

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

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

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

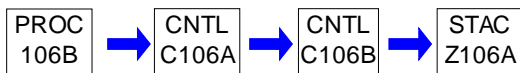
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 106B

Source Name: PRIMARY STONE CRUSHING PLANT

Source Capacity/Throughput: 1,000.000 Tons/HR STONE

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from the moving, material-handling equipment of this primary stone crushing plant, as indicated in Condition # 014(a)(3), (5), (7)(i)–(v), (9)(i)–(iii), (10), (11), (12), and (14), Section D (under Source ID 106B), of this permit, do not exceed the following rates:

Pollutant	Lbs/hr	Tons/yr
PM	5.81	16.91
PM-10	2.44	7.11

Tons/yr = Tons per 12-month rolling period, calculated monthly.

PM-10 = PM less than 10 µm in aerodynamic diameter.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the total operating time of this primary stone crushing plant does not exceed 5,824 hrs/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the following operating parameters for this primary stone crushing plant on an operating day basis:

- The hours of operation.
- The amount of stone processed.

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

**SECTION D. Source Level Requirements**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the water pressure for the water spray dust suppression system (Source ID C106B) associated with this primary stone crushing plant on an operating week basis.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall calculate the following emissions from this primary stone crushing plant on a monthly and 12-month rolling basis, using a Department-approved method(s):

- (a) The total PM emissions.
- (b) The total PM-10 emissions.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters for this primary stone crushing plant on an operating day basis:

- (a) The hours of operation.
- (b) The amount of stone processed.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the water pressure for the water spray dust suppression system (Source ID C106B) associated with this primary stone crushing plant on an operating week basis.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the manufacturer's specifications for this primary stone crushing plant and the associated water spray dust suppression system (Source ID C106B).

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of all maintenance inspections for this primary stone crushing plant and the associated water spray dust suppression system (Source ID C106B), performed in accordance with Condition # 013(a)–(c), Section D (under Source ID 106B), of this permit. These records shall contain, at a minimum, the following for each inspection:

- (a) The date and time of the inspection.
- (b) Any maintenance (e.g., routine and/or preventative maintenance, repairs, parts replacement, adjustments, etc.) performed.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions for this primary stone crushing plant on a monthly and 12-month rolling basis:

- (a) The total PM emissions.
- (b) The total PM-10 emissions.

V. REPORTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the water spray dust suppression system (Source ID C106B) associated with this primary stone crushing plant is operated on any and all occasions that the respective equipment of the primary stone crushing plant, as indicated in Condition # 014(a)(2)–(14), Section D (under Source ID 106B), of this permit, is operated, except in those unusual instances where conditions are such that operation of the respective equipment of the primary stone crushing plant without the simultaneous operation of the water spray dust suppression system can occur without creating air contaminant emissions in excess of the restrictions or limitations specified in this permit or in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III, or 40 CFR Part 60. If, however, the water spray dust suppression system is incapable of operation due to weather conditions or any other reason, the primary stone crushing plant may not be operated at all.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

- (a) The permittee shall operate and maintain a water pressure gauge for the water spray dust suppression system (Source ID C106B) associated with this primary stone crushing plant.
- (b) The permittee shall operate the water spray dust suppression system within a water pressure range of 200–220 psi.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall perform the following for this primary stone crushing plant and the associated water spray dust suppression system (Source ID C106B):

- (a) A visual check of the condition of the primary stone crushing plant, as follows:
 - (i) The moving, material-handling equipment, as indicated in Condition # 014(a)(3), (5), (7)(i)–(v), (9)(i)–(iii), (10), (11), (12), and (14), Section D (under Source ID C106B), of this permit, at least once per operating day.
 - (ii) The non-moving, material-handling equipment, as indicated in Condition # 014(a)(2), (6), (8)(i)–(viii), and (13), Section D (under Source ID C106B), of this permit, at least once per operating week.

**SECTION D. Source Level Requirements**

(b) A visual check of the condition of the water spray dust suppression system associated with the primary stone crushing plant, at least once per operating week.

(c) Routine and/or preventative maintenance of the equipment of the primary stone crushing plant, as indicated in Condition # 014(a)(2)–(14), Section D (under Source ID 106B), of this permit, and the associated water spray dust suppression system, in accordance with the manufacturers' specifications.

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

(a) This source is a primary stone crushing plant comprised of the following operations and equipment:

(1) Material transport and handling of quarried material.

(2) A loading hopper.

(3) A 60-in × 30-ft (width × length), vibrating grizzly feeder manufactured by Lippmann-Milwaukee, Inc., which directs material to a primary crusher [(a)(5), below]. Fines that fall through the grizzly feeder proceed through a chute [(a)(8)(ii), below].

(4) A power boom with a breaker to break up material in (a)(3), above, that is too large to enter the primary crusher [(a)(5), below].

(5) A 50-in × 62-in (jaw diameter × jaw width) jaw (primary) crusher, model no. 5062, manufactured by Lippmann-Milwaukee, Inc. The primary crusher is rated at 1,000 tons stone/hr. Material processed by the primary crusher proceeds to a feeder [(a)(6), below].

(6) A feeder, which directs material to a belt conveyor [(a)(7)(i), below].

(7) Five belt conveyors manufactured by Stewart-Amos Equipment Co., as follows:

(i) A 60-in × 92-ft (width × length) belt conveyor (# 1) leading from (a)(6), above, to a chute [(a)(8)(i), below].

(ii) A 48-in × 271-ft (width × length) belt conveyor (# 2) leading from a chute [(a)(8)(iv), below] to another belt conveyor [(a)(9)(i)), below].

(iii) A 36-in × 108-ft (width × length) belt conveyor (# 3) leading from a chute [(a)(8)(ii), below] to another chute [(a)(8)(iii), below].

(iv) A 36-in × 44-ft (width × length) belt conveyor (# 4) leading from a chute [(a)(8)(v), below] to another chute [(a)(8)(vi), below].

(v) A 36-in × 220-ft (width × length) belt conveyor (# 5) leading from a chute [(a)(8)(vi), below] to another belt conveyor [(a)(9)(ii)), below].

(8) Nine chutes, as follows:

(i) A chute that directs crushed material from (a)(7)(i), above, onto (a)(7)(ii), above (i.e., after the transfer point indicated in (a)(8)(iv), below).

(ii) A chute that directs fines from (a)(3), above, to (a)(7)(iii), above.

(iii) A chute that directs fines from (a)(7)(iii), above, to a primary screen [(a)(10), below].

(iv) A chute that directs oversized material from a primary screen [(a)(10), below] to (a)(7)(ii), above.

**SECTION D. Source Level Requirements**

- (v) A chute that directs undersized material from a primary screen [(a)(10), below] to (a)(7)(iv), above.
 - (vi) A chute that directs undersized material from (a)(7)(iv), above, to either a wash screw [(a)(11), below] or (a)(7)(v), above.
 - (vii) A chute that directs washed undersized material from a wash screw [(a)(11), below] onto (a)(7)(v), above (i.e., after the transfer point indicated in (a)(8)(vi), above).
 - (viii) A chute that directs undersized material from a wash screen [(a)(12), below] to a belt conveyor [(a)(9)(iv), below].
 - (ix) A chute that directs washed undersized material from a belt conveyor [(a)(9)(ii), below] to either another belt conveyor [(a)(9)(iii), below] or a material stockpile [(a)(15)(ii), below].
- (9) Four belt conveyors, as follows:
- (i) A 2000-ft (length) belt conveyor (# 2) leading from (a)(7)(ii), above, through a material transfer tunnel under Flint Hill Road (Source ID C106A), to a transfer box [Condition # 007(a)(1), Section D (under Source ID 107), of this permit].
 - (ii) A 2000-ft (length) belt conveyor (# 12) leading from (a)(7)(v), above, through a material transfer tunnel under Flint Hill Road (Source ID C106A), to (a)(8)(ix), above.
 - (iii) A 24-in x 100-ft (width x length) belt conveyor leading from (a)(8)(viii), above, to a wash screen [(a)(12), below].
 - (iv) A belt conveyor leading from (a)(8)(viii), above, to a material stockpile [(a)(15)(i), below].
- (10) A 6-ft x 16-ft (width x length) scalping (primary) screen rated at 1,000 tons stone/hr. Two material streams lead from the primary screen, as follows:
- (i) The oversized material proceeds to (a)(7)(ii), above.
 - (ii) The undersized material proceeds through (a)(8)(v), above.
- (11) A wash screw manufactured by GreyStone, Inc., from which undersized material proceeds through (a)(8)(vi), above.
- (12) A 6-ft x 20-ft (width x length), triple-deck wash screen manufactured by Telsmith, Inc. Four material streams lead from the wash screen, as follows:
- (i) The oversized material to a dedicated storage bin [(a)(13)(i), below].
 - (ii) The throughs scalped off by the middle deck to a dedicated storage bin [(a)(13)(ii), below].
 - (iii) The throughs scalped off by the bottom deck to a dedicated storage bin [(a)(13)(iii), below].
 - (iv) The undersized material to a sand screw [(a)(14), below].
- (13) Three material storage bins, as follows:
- (i) A #57 or #67 material storage bin, from which #57 or #67 material is loaded into a truck.
 - (ii) A #7 or #8 material storage bin, from which #7 or #8 material is loaded into a truck.
 - (iii) A ¼ material storage bin, from which ¼ material is loaded into a truck.
- (14) A sand screw manufactured by McLanahan Corp., from which sand proceeds through (a)(8)(viii), above.
- (15) Two material stockpiles, as follows:

**SECTION D. Source Level Requirements**

(i) A sand stockpile. The material in the stockpile is product.

(ii) A washed 2A Modified material stockpile. The material in the stockpile is product.

(16) On-site material transport and handling associated with the following equipment and operations:

(i) (a)(13)(i)–(iii), above.

(ii) (a)(15)(i)–(ii), above.

(b) All operations and equipment of the primary stone crushing plant are located outdoors except for the following:

(1) The middle (i.e., non-loading, non-discharge) portions of (a)(9)(i)–(ii), above, which are enclosed within the primary stone crushing plant material transfer tunnel building (Source ID C106A).

(2) The discharge portion of (a)(9)(i), above (i.e., the last portion of the belt conveyor that includes the transfer point), which is enclosed within the secondary stone screening building (Source ID C107).

(c) A water spray(s) (of Source ID C106B) operate(s) at the following points of the primary stone crushing plant:

(1) Over (a)(2), above (two water sprays).

(2) Over (a)(5), above.

(3) At the inlet of (a)(6), above.

(4) Over the transfer point at the end of (a)(7)(i), above.

(5) Over the transfer point at the end of (a)(7)(ii), above.

(6) At the outlet of (a)(8)(i), above.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR § 60.670(d)(1) and 25 Pa. Code Chapter 122 and § 127.443(b).]

The equipment of this primary stone crushing plant indicated in Condition # 014(a)(3), (5), (7)(i)–(v), and (10), Section D (under Source ID 106B), of this permit, are subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart OOO, except that they are exempt from the provisions of 40 CFR §§ 60.672 and 60.674–60.675. In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both EPA and the Department. The Department copies shall be submitted in accordance with Condition # 018, Section B, of this permit. The EPA copies shall be submitted to:

Enforcement & Compliance Assurance Division
Air, RCRA, and Toxics Branch
Air Section
U.S. EPA, Region III
1650 Arch Street, 3ED21
Philadelphia, PA 19103

**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: SECONDARY STONE SCREENING OPERATION

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the following operating parameters for this secondary stone screening operation on an operating day basis:

- (a) The hours of operation.
- (b) The amount of stone processed.

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

The permittee shall calculate the following emissions from this secondary stone screening operation on a monthly and 12-month rolling basis, using a Department-approved method(s):

- (a) The total PM emissions.
- (b) The total PM-10 emissions.

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

The permittee shall maintain records of the following operating parameters for this secondary stone screening operation on an operating day basis:

- (a) The hours of operation.
- (b) The amount of stone processed.

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

The permittee shall maintain records of all maintenance inspections for this secondary stone screening operation, performed in accordance with Condition # 006, Section D (under Source ID 107), of this permit. These records shall contain, at a minimum, the following for each inspection:

- (a) The date and time of the inspection.

**SECTION D. Source Level Requirements**

(b) Any maintenance performed.

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

The permittee shall maintain records of the following emissions from this secondary stone screening operation on a monthly and 12-month rolling basis, calculated using a Department-approved method(s):

- (a) The total PM emissions.
- (b) The total PM-10 emissions.

V. REPORTING REQUIREMENTS.

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

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

The permittee shall perform the following for this secondary stone screening operation:

- (a) A visual check of the condition of the secondary stone screening operation, as follows:
 - (1) The moving, material-handling equipment, as indicated in Condition # 007(a)(3)(i)–(iv) and (4)(i)–(vi), Section D (under Source ID 107), of this permit, at least once per operating day.
 - (2) The non-moving, material-handling equipment, as indicated in Condition # 007(a)(1)–(2), Section D (under Source ID 107), of this permit, at least once per operating week.
- (b) Routine and/or preventative maintenance of the equipment of the secondary stone screening operation, as indicated in Condition # 007(a)(1)–(4), Section D (under Source ID 107), of this permit, in accordance with the manufacturers' specifications.

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

(a) This source is a secondary stone screening operation comprised of the following equipment and operations:

- (1) A transfer box, which directs material to a chute [(a)(2), below].
- (2) A wye diverter (chute), which directs material from (a)(1), above, to two secondary screens [(a)(3)(i)–(ii), below].
- (3) Four secondary screens, as follows:
 - (i) A 6-ft × 16-ft (width × length), single-deck, secondary screen (# 2N) manufactured by TelSmith, Inc. The secondary screen is rated at 1,200 tons stone/hr. Material from the secondary screen proceeds to another secondary screen [(a)(3)(iii), below].
 - (ii) A 5-ft × 14-ft (width × length), single-deck, secondary screen (# 2S) manufactured by TelSmith, Inc. The secondary screen is rated at 1,200 tons stone/hr. Material from the secondary screen proceeds to another secondary screen [(a)(3)(iii), below].

**SECTION D. Source Level Requirements**

(iii) A 6-ft x 16-ft (width x length), single-deck, secondary screen (# 3S) manufactured by Telsmith, Inc. The secondary screen is rated at 500 tons stone/hr. Two material streams lead from the secondary screen, as follows:

(A) The oversized material proceeds to a belt conveyor [(a)(4)(i), below].

(B) The undersized material proceeds to another secondary screen [(a)(3)(iv), below].

(iv) A 6-ft x 16-ft (width x length), single-deck, secondary screen (# 4S) manufactured by Telsmith, Inc. The secondary screen is rated at 660 tons stone/hr. Two material streams lead from the secondary screen, as follows:

(A) The oversized material proceeds to a belt conveyor [(a)(4)(iii), below].

(B) The undersized material proceeds to a belt conveyor [(a)(4)(v), below].

(4) Six belt conveyors, as follows:

(i) A belt conveyor (# 5) leading from (a)(3)(iii), above, to another belt conveyor [(a)(4)(ii), below].

(ii) A belt conveyor (# 6) leading from (a)(4)(i), above, to a material surge pile [(a)(5)(i), below].

(iii) A belt conveyor (# 7) leading from (a)(3)(iv), above, to another belt conveyor [(a)(4)(iv), below].

(iv) A belt conveyor (# 8) leading from (a)(4)(iii), above, to a material surge pile [(a)(5)(ii), below].

(v) A belt conveyor (# 9) leading from (a)(3)(iv), above, to another belt conveyor [(a)(4)(viii), below].

(vi) A belt conveyor (# 10) leading from (a)(4)(v), above, to a material surge pile [(a)(5)(iii), below].

(5) Three material surge piles, as follows:

(i) An oversized material surge pile. The material in the surge pile either feeds a surge bin [Condition # 007(a)(1)(i), Section D (under Source ID 108), of this permit] or is product.

(ii) A No. 3 material surge pile. The material in the surge pile either feeds a surge bin [Condition # 007(a)(1)(iii), Section D (under Source ID 108), of this permit] or is product.

(iii) A No. 4 material surge pile. The material in the surge pile either feeds a surge bin [Condition # 007(a)(1)(ii), Section D (under Source ID 108), of this permit] or is product.

(6) On-site material transport and handling associated with (a)(5)(i)–(iii), above.

(b) All equipment and operations of the secondary stone screening operation are enclosed in the secondary screening building (Source ID C107) except the following, which are located outdoors:

(1) The discharge portions of (a)(4)(ii)–(iii) and (v), above.

(2) (a)(4)(iv) and (vi), above.

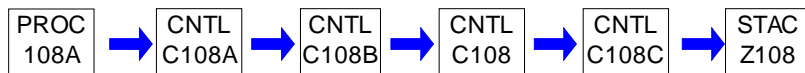
(3) (a)(5)(i)–(iii), above.

**SECTION D. Source Level Requirements**

Source ID: 108A

Source Name: SECONDARY STONE CRUSHING PLANT

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from the secondary crushers of this secondary stone crushing plant, as specified in Condition # 009(a)(4)(i)–(iii), Section D (under Source ID 108A), of this permit, do not exceed the following rates:

Pollutant	Lbs/hr	Tons/yr
PM	1.33	5.83
PM-10	0.599	2.63
PM-2.5	0.111	0.486

Tons/yr = Tons per 12-month rolling period, calculated monthly.

PM-2.5 = PM less than 2.5 µm in aerodynamic diameter.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall monitor the following operating parameters for this secondary stone crushing plant on an operating day basis:

- The hours of operation.
- The amount of stone processed.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall calculate the following emissions from this secondary stone crushing plant on a monthly and 12-month rolling basis, using a Department-approved method(s):

- The total PM emissions.
- The total PM-10 emissions.

**SECTION D. Source Level Requirements**

(c) The total PM-2.5 emissions.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters for this secondary stone crushing plant on an operating day, monthly, and 12-month rolling basis:

- (a) The hours of operation.
- (b) The amount of stone processed.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of all maintenance inspections for this secondary stone crushing plant and the associated water spray dust suppression system (Source ID C108), performed in accordance with Condition # 008(a)-(c), Section D (under Source ID 108A), of this permit. These records shall include, at a minimum, the following for each inspection:

- (a) The date and time of the inspection.
- (b) Any maintenance performed.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following emissions from this secondary stone crushing plant on a monthly and 12-month rolling basis, calculated using a Department-approved method(s):

- (a) The total PM emissions.
- (b) The total PM-10 emissions.
- (c) The total PM-2.5 emissions.

V. REPORTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the water spray dust suppression system (Source ID C108) associated with this secondary stone crushing plant is operated on any and all occasions that the respective equipment of the secondary stone crushing

**SECTION D. Source Level Requirements**

plant, as indicated in Condition # 009(a)(1)–(5), Section D (under Source ID 108A), of this permit, is operated, except in those unusual instances where conditions are such that operation of the respective equipment of the secondary stone crushing plant without the simultaneous operation of the water spray dust suppression system can occur without creating air contaminant emissions in excess of the restrictions or limitations specified in this permit or in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III, or 40 CFR Part 60. If, however, the water spray dust suppression system is incapable of operation due to weather conditions or any other reason, the secondary stone crushing plant may not be operated at all.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall perform the following for this secondary stone crushing plant and the associated water spray dust suppression system (Source ID C108):

(a) A visual check of the condition of the secondary stone crushing plant, as follows:

(1) The moving, material-handling equipment, as indicated in Condition # 009(a)(2)(i)–(v) and (4)–(5), Section D (under Source ID 108A), of this permit, at least once per operating day.

(2) The non-moving, material-handling equipment, as indicated in Condition # 009(a)(1)(i)–(iii) and (3)(i)–(vii), Section D (under Source ID 108A), of this permit, at least once per operating week.

(b) A visual check of the condition of the water spray dust suppression system associated with the secondary stone crushing plant, at least once per operating week.

(c) Routine and/or preventative maintenance of the equipment of the secondary stone crushing plant, as indicated in Condition # 009(a)(1)–(5), Section D (under Source ID 108A), of this permit, and the associated water spray dust suppression system, in accordance with the manufacturers' specifications.

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

(a) This source is a secondary stone crushing plant comprised of the following equipment and operations:

(1) Three surge bins, as follows:

(i) An oversized material surge bin, from which oversized material proceeds to a belt conveyor [(a)(2)(i), below].

(ii) A no. 4 material surge bin, from which no. 4 material proceeds to a belt conveyor [(a)(2)(v), below].

(iii) A no. 3 material surge bin, from which no. 3 material proceeds onto a belt conveyor [(a)(2)(v), below] (i.e., after the transfer point indicated in (a)(1)(ii), above).

(2) Five belt conveyors, as follows:

(i) A belt conveyor (# 13) leading from (a)(1)(i), above, to a chute [(a)(3)(i), below].

(ii) A belt conveyor (# 14) leading from a secondary crusher [(a)(4)(i), below] to a chute [(a)(3)(ii), below].

(iii) A belt conveyor (# 15) leading from tertiary screens [(a)(5)(i)–(ii), below] to a chute [(a)(3)(iii), below].

(iv) A belt conveyor (# 16) leading from tertiary screens [(a)(5)(i)–(ii), below] to a product screen [Condition # 007(a)(1)(i), Section D (under Source ID 109), of this permit].

**SECTION D. Source Level Requirements**

(v) A belt conveyor (# 11) leading from (a)(1)(ii), above, to a chute [(a)(3)(v), below].

(3) Seven chutes, as follows:

(i) A chute that directs oversized material from (a)(2)(i), above, to a secondary crusher [(a)(4)(i), below].

(ii) A chute that directs material from a secondary crusher [(a)(4)(i), below] onto (a)(2)(iii), above (in between the transfer points indicated in (a)(3)(vi)–(vii), below).

(iii) A wye diverter (chute) that directs material from (a)(2)(ii), above, to two tertiary screens [(a)(5)(i)–(ii), below].

(iv) A chute that directs material from two tertiary screens [(a)(5)(i)–(ii), below] onto (a)(2)(iii), above.

(v) A wye diverter (chute) that directs oversized material from (a)(2)(iii), above, to two secondary crushers [(a)(4)(ii)–(iii), below].

(vi) A chute that directs material from two secondary crushers [(a)(4)(ii)–(iii), below] onto (a)(2)(ii), above (before the transfer points indicated in (a)(3)(ii), above, and (a)(3)(vii), below).

(vii) A chute that directs no. 4 and no. 3 material from (a)(2)(v), above, onto (a)(2)(ii) (after the transfer points indicated in (a)(3)(ii) and (vi), above).

(4) Three secondary crushers, as follows:

(i) A 54-in (head diameter) cone (secondary) crusher, model type Rollercone, Glasgow equipment no. 310059, manufactured by Cedarapids ElJay. The secondary crusher is rated at 380 tons stone/hr. Material processed by the secondary crusher proceeds through (a)(3)(ii), above.

(ii) A 37.5-in ± 0.5-in (head diameter) cone (secondary) crusher, model no. CH830i, manufactured by Sandvik. The secondary crusher is rated at 350 tons stone/hr. Material processed by the secondary crusher proceeds through (a)(3)(vi), above.

(iii) A 54-in (head diameter) cone (secondary) crusher, model type Rollercone, Glasgow equipment no. 318077, manufactured by Cedarapids ElJay. The secondary crusher is rated at 380 tons stone/hr. Material processed by the secondary crusher proceeds through (a)(3)(vi), above.

(5) Two tertiary screens, as follows:

(i) A double-deck tertiary screen (# 5A) manufactured by Simplicity Engineering, Inc. The tertiary screen is rated at 440 tons stone/hr. Two material streams lead from the tertiary screen, as follows:

(A) The oversized material proceeds through (a)(3)(iv), above.

(B) The throughs and undersized material proceed to (a)(2)(iv), above.

(ii) A double-deck tertiary screen (# 5B) manufactured by TelSmith, Inc. The tertiary screen is rated at 100 tons stone/hr. Two material streams lead from the tertiary screen, as follows:

(A) The oversized material proceeds through (a)(3)(iv), above.

(B) The throughs and undersized material proceed to (a)(2)(iv), above.

(b) All equipment and operations of the secondary stone crushing plant are/shall be enclosed, as specified in (b)(1)–(4), below, except for a portion of each of the belt conveyors specified in (b)(5), below, which are located outdoors:

(1) The following operations and equipment are enclosed in the secondary stone crushing plant surge tunnel (Source

**SECTION D. Source Level Requirements**

ID C108A):

- (i) (a)(1)(i)–(iii), above.
- (ii) The loading and part of the middle portions of (a)(2)(i) and (v), above.

(2) The following operations and equipment are/shall be enclosed in the secondary stone crushing building (Source ID C108B):

- (i) The discharge portions of (a)(2)(i), (iii), and (v), above.
- (ii) The loading and part of the middle portions of (a)(2)(ii), above.
- (iii) (a)(3)(i)–(ii) and (v)–(vii), above.
- (iv) (a)(4)(i)–(iii), above.

(3) The following operations and equipment are enclosed in the tertiary stone screening building (Source ID C108C):

- (i) The discharge portion of (a)(2)(ii), above.
- (ii) The loading portions of (a)(2)(iii)–(iv), above.
- (iii) (a)(3)(iii)–(iv), above.
- (iv) (a)(5)(i)–(ii), above.

(4) The discharge portion of (a)(2)(iv), above, which is enclosed in the product screening building (Source ID C109).

(5) Part or all of the middle portions of (a)(2)(i)–(v) are located outdoors.

(c) A water spray (of Source ID C108) operates at the following points of the secondary stone crushing plant:

- (1) Over (a)(2)(i), above, at the transfer point with (a)(3)(i), above.
- (2) Over (a)(2)(iii), above, at the transfer point with (a)(3)(v), above.
- (3) Over (a)(2)(v), above, at the transfer point with (a)(3)(vii), above.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 40 CFR § 60.670(d)(1) and 25 Pa. Code Chapter 122 and § 127.443(b).]

The secondary crushers of this secondary stone crushing plant indicated in Condition # 009(a)(4)(i) and (iii), Section D (under Source ID 108A), of this permit, are subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart OOO, except that they are exempt from the provisions of 40 CFR §§ 60.672 and 60.674–60.675. In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both EPA and the Department. The Department copies shall be submitted in accordance with Condition # 018, Section B, of this permit. The EPA copies shall be submitted to:

Enforcement & Compliance Assurance Division
Air, RCRA, and Toxics Branch
Air Section
U.S. EPA, Region III
1650 Arch Street, 3ED21



SECTION D. Source Level Requirements

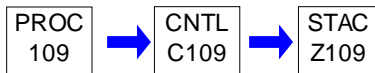
Philadelphia, PA 19103

**SECTION D. Source Level Requirements**

Source ID: 109

Source Name: PRODUCT SCREENING OPERATION

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

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the following operating parameters for this product screening operation on an operating day basis:

- (a) The hours of operation.
- (b) The amount of stone processed.

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

The permittee shall calculate the following emissions from this product screening operation on a monthly and 12-month rolling basis, using a Department-approved method(s):

- (a) The total PM emissions.
- (b) The total PM-10 emissions.

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

The permittee shall maintain records of the following operating parameters for this product screening operation on an operating day basis:

- (a) The hours of operation.
- (b) The amount of stone processed.

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

The permittee shall maintain records of all maintenance inspections for this product screening operation, performed in accordance with Condition # 006, Section D (under Source ID 109), of this permit. These records shall contain, at a minimum, the following for each inspection:

- (a) The date and time of the inspection.

**SECTION D. Source Level Requirements**

(b) Any maintenance performed.

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

The permittee shall maintain records of the following emissions from this product screening operation on a monthly and 12-month rolling basis, calculated using a Department-approved method(s):

- (a) The total PM emissions.
- (b) The total PM-10 emissions.

V. REPORTING REQUIREMENTS.

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

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

The permittee shall perform the following for this product screening operation:

- (a) A visual check of the condition of the product screening operation, as follows:
 - (1) The moving, material-handling equipment, as indicated in Condition # 007(a)(1)(i)–(ii) and (3)(i)–(viii), Section D (under Source ID 109), of this permit, at least once per operating day.
 - (2) The non-moving, material-handling equipment, as indicated in Condition # 007(a)(2)(i)–(iv), Section D (under Source ID 109), of this permit, at least once per operating week.
- (b) Routine and/or preventative maintenance of the equipment of the product screening operation, as indicated in Condition # 007(a)(1)–(3), Section D (under Source ID 109), of this permit, in accordance with the manufacturers' specifications.

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

(a) This source is a product screening operation comprised of the following equipment and operations:

- (1) Two product screens, as follows:
 - (i) A double-deck product screen manufactured by TelSmith, Inc. The product screen is rated at 400 tons stone/hr. Three material streams lead from the product screen, as follows:
 - (A) The oversized material proceeds into a dedicated product bin [(a)(2)(i), below].
 - (B) The throughs proceeds into a dedicated product bin [(a)(2)(ii), below].
 - (C) The undersized material proceeds to a belt conveyor [(a)(3)(i), below].
 - (ii) A single-deck product screen manufactured by TelSmith, Inc. The product screen is rated at 100 tons stone/hr. Two material streams lead from the product screen, as follows:

**SECTION D. Source Level Requirements**

- (A) The oversized material proceeds into a dedicated product bin [(a)(2)(iii), below].
 - (B) The undersized material proceeds into a dedicated product bin [(a)(2)(iv), below].
 - (2) Four product bins, as follows:
 - (i) A 2B material product bin, from which 2B material proceeds onto a belt conveyor [(a)(3)(ii), below].
 - (ii) A 1B material product bin, from which 1B material proceeds into a screw conveyor [(a)(6)(i), below].
 - (iii) A ¼ material product bin (Sand Bin 1), from which ¼ material is loaded into a truck.
 - (iv) A No. 1 material product bin (Sand Bin 2), from which No. 1 material proceeds into a screw conveyor [(a)(6)(ii), below].
 - (3) Eight belt conveyors, as follows:
 - (i) A belt conveyor (# 17) leading from (a)(1)(i), above, to (a)(1)(ii), above.
 - (ii) A belt conveyor leading from (a)(2)(i), above, to another belt conveyor [(a)(3)(iii), below].
 - (iii) A belt conveyor leading from (a)(3)(ii), above, to another belt conveyor [(a)(3)(iv), below].
 - (iv) A belt conveyor leading from (a)(3)(iii), above, to a wash screw [(a)(4), below].
 - (v) A belt conveyor leading from a wash screw [(a)(4), below] to another belt conveyor [(a)(3)(vi), below].
 - (vi) A belt conveyor leading from (a)(3)(v), above, to a material stockpile [(a)(5)(i), below].
 - (vii) A belt conveyor leading from a screw conveyor [(a)(6)(i), below] to a material stockpile [(a)(5)(ii), below].
 - (viii) A belt conveyor leading from a screw conveyor [(a)(6)(ii), below] to a material stockpile [(a)(5)(iii), below].
 - (4) A wash screw, from which washed 2B material proceeds to (a)(3)(v), above.
 - (5) Three material stockpiles, as follows:
 - (i) A washed 2B material stockpile. The material in the stockpile is product.
 - (ii) A 1B material stockpile. The material in the stockpile is product.
 - (iii) A No. 1 material stockpile. The material in the stockpile is product.
 - (6) Two screw conveyors, as follows
 - (i) A screw conveyor leading from (a)(2)(ii), above, to (a)(3)(vii), above.
 - (ii) A screw conveyor leading from (a)(2)(iv), above, to (a)(3)(viii), above.
 - (7) On-site material transport and handling associated with the following equipment and operations:
 - (i) (a)(2)(iii), above.
 - (ii) (a)(5)(i)–(iii), above.
- (b) All equipment and operations of the product screening operation are enclosed in the product screening building (Source

**SECTION D. Source Level Requirements**

ID C109), except for the following, which are located outdoors:

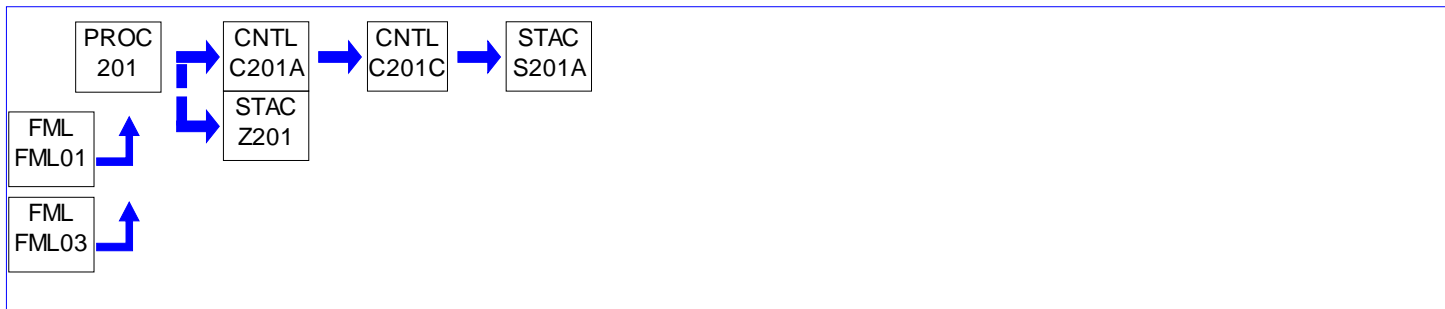
- (1) (a)(3)(ii)–(viii), above.
- (2) (a)(4), above.
- (3) (a)(5)(i)–(iii), above.
- (4) (a)(6)(i)–(ii), above.
- (5) (a)(7)(i)–(ii), above.

**SECTION D. Source Level Requirements**

Source ID: 201

Source Name: BATCH HOT MIX ASPHALT (HMA) PLANT

Source Capacity/Throughput:	240.000 Tons/HR	HMA
	65.000 MCF/HR	Natural Gas
	474.000 Gal/HR	#2 Oil

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the total emissions into the outdoor atmosphere of the following pollutants from the hot equipment of this batch HMA plant, as indicated in Condition # 024(a)(5)–(7), (10), and (12), Section D (under Source ID 201), of this permit, through the associated knockout box (Source ID C201A) and baghouse (Source ID C201C), occur in such a manner that the rates of the emissions do not exceed any of the following:

Pollutant	Lbs/hr	Tons/yr
CO	13.20	15.84
NOx	8.16	9.79
PM	4.76	5.71
PM-10	6.248	7.50
SOx	10.056	12.07
VOCs	8.328	9.99

Tons/yr = Tons per 12-month rolling period, calculated monthly.

CO = Carbon monoxide.

PM = Filterable PM.

PM-10 = Filterable plus condensable PM-10.

SOx = Sulfur oxides (as sulfur dioxide [SO₂]).

[Compliance with this streamlined permit condition assures compliance with 40 CFR § 60.92(a)(1), and 25 Pa. Code §§ 123.13(b) and 123.21(b).]

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from this batch HMA plant occurs in such a manner that the concentrations of the emission, as measured at the stack (Source ID S201A) of the associated baghouse (Source ID C201C), do not exceed either of the following:

**SECTION D. Source Level Requirements**

Pollutant	gr/dscf
PM	0.016
PM-10	0.021

PM = Filterable PM.

PM-10 = Filterable plus condensable PM-10.

[Compliance with this streamlined permit condition assures compliance with 40 CFR § 60.92(a)(1).]

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

[Additional authority for this permit condition is derived from 40 CFR § 60.92(a)(2) and 25 Pa. Code Chapter 122.]

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this batch HMA plant occurs in such a manner that the opacity of the emission is less than 20%.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.41.]

Fuel Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

(a) The permittee shall ensure that natural gas and virgin No. 2 fuel oil are the only fuels consumed by the rotary dryer and heaters of this batch HMA plant. No reclaimed, recycled, or waste oils, or any other waste materials shall be added to the No. 2 fuel oil.

(b) The sulfur content of the No. 2 fuel oil shall not exceed 2,000 ppm, by weight (0.2%, by weight).

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

Throughput Restriction(s).**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall ensure that the amount of HMA produced by this batch HMA plant does not exceed 576,000 tons/yr, calculated monthly as a 12-month rolling sum.

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

The permittee shall ensure that all PM emissions from the hot equipment of this batch HMA plant, as indicated in Condition # 024(a)(5)–(7), (10), and (12), Section D (under Source ID 201), of this permit, are ducted to the associated knockout box (Source ID C201A) and baghouse (Source ID C201C) before exhausting into the outdoor atmosphere.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Chapter 139.]

(a) On or before May 31, 2022, and every 5 years thereafter, the permittee shall perform a stack test for this batch HMA plant,

**SECTION D. Source Level Requirements**

in accordance with the provisions of 25 Pa. Code Chapter 139. The stack test shall be performed at the stack (Source ID S201A) of the associated baghouse (Source ID C201C) while the rotary dryer of the batch HMA plant is consuming natural gas, to demonstrate compliance with emission restrictions indicated in Conditions # 001–002, Section D (under Source ID 201), of this permit. During the stack test, the batch HMA plant shall process a typical HMA formulation and operate at, or as close as possible to, its rated capacity of 240 tons HMA/hr, such that the test results are representative of maximum routine operating conditions.

(b) At least 90 days prior to the stack test, the permittee shall submit, to the Department for approval electronically, in accordance with Condition # 009, Section D (under Source ID 201), of this permit, the procedures for the stack test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples. A test protocol shall be approved by the Source Testing Section of the Department prior to the test.

(c) At least 30 days prior to the stack test, the permittee shall inform the Air Quality Program Manager for the Southeast Regional Office electronically, in accordance with Condition # 009, Section D (under Source ID 201), of this permit, of the date(s) and time(s) of the stack test.

(d) Within 60 days after the stack test, the permittee shall submit, to the Department electronically, in accordance with Condition # 009, Section D (under Source ID 201), of this permit, the complete test report, including all operating conditions.

(e) The permittee may request an extension of time for any deadlines indicated in (a)–(d), above, with which it is unable to comply. The request must be in writing and include a justification for the extension. The Department may grant the extension for reasonable cause.

[Note: The deadline in (a), above, is based on an extension of time approved by the Department on November 2, 2021.]

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

(a) If the rotary dryer of this batch HMA plant consumes No. 2 fuel oil for a period(s) of equal to or greater than 30 cumulative days within a 12-month rolling period, the permittee shall perform a stack test for the batch HMA plant for No. 2 fuel oil no later than 120 days following the 30th day of cumulative usage. The stack test shall be performed at the stack (Source ID S201A) of the associated baghouse (Source ID C201C) while the rotary dryer is consuming No. 2 fuel oil, to demonstrate compliance with emission restrictions indicated in Conditions # 001–002, Section D (under Source ID 201), of this permit. During the stack test, the batch HMA plant shall process a typical HMA formulation and operate at, or as close as possible to, its rated capacity of 240 tons HMA/hr, such that the test results are representative of maximum normal operating conditions.

(b) At least 90 days prior to the stack test, the permittee shall submit, to the Department for approval electronically, in accordance with Condition # 009, Section D (under Source ID 201), of this permit, the procedures for the stack test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples. A test protocol shall be approved by the Source Testing Section of the Department prior to the test.

(c) At least 30 days prior to the stack test, the permittee shall inform the Air Quality Program Manager for the Southeast Regional Office electronically, in accordance with Condition # 009, Section D (under Source ID 201), of this permit, of the date(s) and time(s) of the stack test.

(d) Within 60 days after the stack test, the permittee shall submit, to the Department electronically, in accordance with Condition # 009, Section D (under Source ID 201), of this permit, the complete test report, including all operating conditions.

(e) The permittee may request an extension of time for any deadlines indicated in (a)–(d), above, with which it is unable to comply. The request must be in writing and include a justification for the extension. The Department may grant the extension for reasonable cause.

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

(a) The permittee shall submit all source testing protocols, notifications, reports, supplemental information, etc., required in Condition #s 007–008, Section D (under Source ID 201), of this permit, to the Department electronically at the following

**SECTION D. Source Level Requirements**

e-mail addresses:

(1) Air Quality Program Manager for the Southeast Regional Office: RA-EPSEstacktesting@pa.gov.

(2) PSIMS Administrator in Central Office: RA-EPstacktesting@pa.gov (questions or concerns about source testing submissions may also be sent to this e-mail address).

(b) The permittee shall include the following pertinent information on the cover page of each submittal:

(1) The stack test date(s), as follows:

(i) Protocols: The proposed stack test date(s) or, if not yet known, "TBD."

(ii) Notifications: The scheduled stack test date(s).

(iii) Reports: The actual stack test date(s).

(2) The primary facility (PF) ID (for test programs conducted under a multi-site protocol, also include the PF ID under which the protocol is stored in PSIMS, as indicated in the protocol response letter).

(3) The permit number (i.e., 46-00044).

(4) The source ID (also referred to as "other ID") for each applicable source and/or air pollution control device.

(5) The applicable testing requirements in Condition #s 007–008, Section D (under Source ID 201), of this permit (e.g., EPA Methods 1–5, etc.).

(c) If including any confidential information in a submittal, the permittee shall submit two versions of the submittal, as follows:

(1) A confidential version, in which the cover page states that the submittal is the "Confidential Copy" and each page is marked or stamped "CONFIDENTIAL."

(2) A public version, in which the cover page states that the submittal is the "Public Copy" and the confidential information is redacted.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

To demonstrate compliance with Condition # 003, Section D (under Source ID 201), of this permit, the permittee shall perform stack testing using EPA Method 9, as specified in 40 CFR Part 60, Appendix A, whenever visible air contaminants are emitted from this batch HMA plant.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.443(b) and 139.16(1) and (3).]

(a) The following testing requirements are applicable to the No. 2 fuel oil consumed by the rotary dryer and heaters of this batch HMA plant:

(1) The fuel sample shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the permittee shall collect the sample employing the procedures and equipment specified in ASTM International (ASTM) Standards D4057 or D4177, as appropriate.

(2) Unless an alternative method(s) is approved by the Department, in writing, only ASTM Standards D129, D1266, D1552, D2622, or D4294 may be used to determine the sulfur content of the No. 2 fuel oil.

**SECTION D. Source Level Requirements**

(b) The testing requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of No. 2 fuel oil in the event that the permittee obtains either a laboratory analysis or other certification (e.g., delivery receipt) from the fuel supplier indicating the maximum sulfur content of the No. 2 fuel oil.

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

The permittee shall monitor the following operating parameters for this batch HMA plant on an operating day basis:

- (a) The hours of operation.
- (b) The type(s) and amount(s) of fuel consumed.
- (c) The amount of HMA produced.

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

The permittee shall monitor the differential pressure across the knockout box (Source ID C201A) and baghouse (Source ID C201C) associated with this batch HMA plant on an operating day basis.

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

The permittee shall calculate the following emissions from this batch HMA plant on a monthly and 12-month rolling basis, using Department-approved methods:

- (a) The total CO emissions.
- (b) The total NOx emissions.
- (c) The total PM (filterable) emissions.
- (d) The total PM-10 (filterable plus condensable) emissions.
- (e) The total SOx (as SO₂) emissions.
- (f) The total VOC emissions.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain records of the following operating parameters for this batch HMA plant on an operating day basis:

- (a) The hours of operation.
- (b) The type(s) and amount(s) of fuel consumed.
- (c) The amount of HMA produced.

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

The permittee shall maintain records of the corresponding laboratory analysis or other certification from the fuel supplier for each shipment of No. 2 fuel oil received for this batch HMA plant. The laboratory analysis or other certification shall specify

**SECTION D. Source Level Requirements**

the maximum sulfur content (ppm, by weight; or %, by weight) of the No. 2 fuel oil.

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

The permittee shall maintain records of the differential pressure across the knockout box (Source ID C201A) and baghouse (Source ID C201C) associated with this batch HMA plant on an operating day basis.

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

The permittee shall maintain records of all maintenance inspections for the baghouse (Source ID C201C) associated with this batch HMA plant, performed in accordance with Condition # 024(a)–(b), Section D (under Source ID 201), of this permit. These records shall contain, at a minimum, the following for each inspection:

- (a) The date and time of the inspection.
- (b) Any maintenance performed.

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

The permittee shall maintain records of the following emissions from this batch HMA plant on a monthly and 12-month rolling basis, calculated using Department-approved methods:

- (a) The total CO emissions.
- (b) The total NOx emissions.
- (c) The total PM (filterable) emissions.
- (d) The total PM-10 (filterable plus condensable) emissions.
- (e) The total SOx (as SO₂) emissions.
- (f) The total VOC emissions.

V. REPORTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall operate and maintain a manometer or differential pressure gauge across both the knockout box (Source ID C201A) and baghouse (Source ID C201C) associated with this batch HMA plant. The knockout box and baghouse shall operate within the differential pressure ranges of 0.1–1.5 inches of water and 0.5–8 inches of water, respectively.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

**SECTION D. Source Level Requirements**

The permittee shall ensure that the 5,000-gal No. 2 fuel oil AST (Source ID FML03) associated with this batch HMA plant does not experience any leakage. Any leakage shall be immediately repaired.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall operate and maintain the heaters of this batch HMA plant in accordance with the manufacturer's specifications.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall perform the following for the baghouse (Source ID C201C) associated with this batch HMA plant:

- (a) A visual check of the outside piping and blowers, at least once per operating day.
- (b) The following routine and/or preventative maintenance:
 - (i) Inspection and refurbishment of the fabric filter bag blowdown mechanism, at least once per every other operating week.
 - (ii) Inspection of the blowers for general condition, unusual noises, and belt condition, at least once per operating month.
 - (iii) Inspection and repair of cages, and change of fabric filter bags, at least once per year, or as needed. A sufficient quantity of spare fabric filter bags shall be kept on hand for replacement.

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

(a) This source consists of a batch HMA plant, model no. R-M 80, manufactured by Standard Steel Corp. The batch HMA plant is rated at 240 tons/hr HMA production and is comprised of the following operations and equipment:

- (1) Aggregate stockpiles.
- (2) Material transport and handling associated with the following:
 - (i) (a)(1), above.
 - (ii) Eight cold aggregate feed bins [(a)(3), below].
 - (iii) A recycled asphalt pavement (RAP) feed bin [(a)(7), below].
- (3) Eight cold aggregate feed bins.
- (4) Five conveyors, as follows:
 - (i) A belt conveyor leading from (a)(3), above, to another belt conveyor [(a)(4)(ii), below].
 - (ii) A belt conveyor leading from (a)(4)(i), above, to a rotary dryer [(a)(5), below].
 - (iii) A belt conveyor leading from a RAP feed bin [(a)(7), below] to another belt conveyor [(a)(4)(iv), below].

**SECTION D. Source Level Requirements**

- (iv) A belt conveyor leading from (a)(4)(iii), above, to the inlet of a pug mill [(a)(6)(iv), below].
 - (v) A slat conveyor leading from the outlet of a pug mill [(a)(6)(iv), below] to a HMA silo [(a)(9), below].
 - (5) A natural gas- (primary fuel) and No. 2 fuel oil- (auxiliary fuel) fired rotary dryer. The rotary dryer is rated at 65 mmBtu/hr heat input.
 - (6) A bucket elevator.
 - (7) A batch HMA plant tower containing four types of hot equipment, as follows:
 - (i) Vibrating screens.
 - (ii) Bins.
 - (iii) A weigh hopper.
 - (iv) A pug mill (mixer).
 - (8) A RAP feed bin with feeder gate.
 - (9) Two 30,000-gal liquid asphalt cement ASTs.
 - (10) A HMA silo with associated elevator.
 - (11) Two No. 2 fuel oil-fired heaters used to provide heat to (a)(7) and (9)–(10), above. The heaters are rated at <1 mmBtu/hr heat input (each).
 - (12) Truck loadout associated with the following:
 - (i) (a)(7)(iv), above.
 - (ii) (a)(10), above.
- (b) All operations and equipment of the batch HMA plant are located outdoors.
- (c) Emissions from (a)(5)–(7), (10), and (12), above, including exhaust gases from (a)(5), above, are ducted to the following equipment before exhausting to the outdoor atmosphere:
- (1) A knockout box (Source ID C201A).
 - (2) A pulse jet baghouse (Source ID C201C), model no. 2,100-48, manufactured by Dustex Corp. The baghouse is rated at 51,000 acfm exhaust gas flow, and uses 742 fine denier high temperature fabric filter bags. Fines from the baghouse are either routed to (a)(7), above, or routed to and stored in an adjacent fines silo [Sub-section (d)(2), Section H, of this permit].

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

This batch HMA plant is subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart I. In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both EPA and the Department. The Department copies shall be submitted in accordance with Condition # 018, Section B, of this permit. The EPA copies shall be submitted to:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch
Air Section
U.S. EPA, Region III



SECTION D. Source Level Requirements

1650 Arch Street, 3ED21
Philadelphia, PA 19103



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
106B	PRIMARY STONE CRUSHING PLANT		
Emission Limit		Pollutant	
2.440	Lbs/Hr	From the Equipment Indicated in Condition # 014(a)(3), (5), (7)(i)-(v), (9)(i)-(iii), (10), (11), (12), and (14)	PM10
7.110	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Equipment Indicated in Condition # 014(a)(3), (5), (7)(i)-(v), (9)(i)-(iii), (10), (11), (12), and (14)	PM10
5.810	Lbs/Hr	From the Equipment Indicated in Condition # 014(a)(3), (5), (7)(i)-(v), (9)(i)-(iii), (10), (11), (12), and (14)	TSP
16.910	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Equipment Indicated in Condition # 014(a)(3), (5), (7)(i)-(v), (9)(i)-(iii), (10), (11), (12), and (14)	TSP
108A	SECONDARY STONE CRUSHING PLANT		
Emission Limit		Pollutant	
0.599	Lbs/Hr	From the Secondary Crushers Specified in Condition # 009(a)(4)(i)-(iii)	PM10
2.630	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Secondary Crushers Specified in Condition # 009(a)(4)(i)-(iii)	PM10
0.111	Lbs/Hr	From the Secondary Crushers Specified in Condition # 009(a)(4)(i)-(iii)	PM2.5
0.486	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Secondary Crushers Specified in Condition # 009(a)(4)(i)-(iii)	PM2.5
1.330	Lbs/Hr	From the Secondary Crushers Specified in Condition # 009(a)(4)(i)-(iii)	TSP
5.830	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Secondary Crushers Specified in Condition # 009(a)(4)(i)-(iii)	TSP
201	BATCH HOT MIX ASPHALT (HMA) PLANT		
Emission Limit		Pollutant	
13.200	Lbs/Hr	From the Hot Equipment Indicated in Condition # 024(a)(5)-(7), (10), and (12)	CO
15.840	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Hot Equipment Indicated in Condition # 024(a)(5)-(7), (10), and (12)	CO
8.160	Lbs/Hr	From the Hot Equipment Indicated in Condition # 024(a)(5)-(7), (10), and (12)	NOX
9.790	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Hot Equipment Indicated in Condition # 024(a)(5)-(7), (10), and (12)	NOX
0.021	gr/DRY FT3	Filterable Plus Condensable	PM10
6.248	Lbs/Hr	Filterable Plus Condensable; From the Hot Equipment Indicated in Condition # 024(a)(5)-(7), (10), and (12)	PM10
7.500	Tons/Yr	Filterable Plus Condensable; 12-Month Rolling Sum, Calculated Monthly; From the Hot Equipment Indicated in Condition # 024(a)(5)-(7), (10), and (12)	PM10

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
10.056	Lbs/Hr	As SO ₂ ; From the Hot Equipment Indicated in Condition # 024(a)(5)–(7), (10), and (12)	SOX
12.070	Tons/Yr	As SO ₂ ; 12-Month Rolling Sum, Calculated Monthly; From the Hot Equipment Indicated in Condition # 024(a)(5)–(7), (10), and (12)	SOX
0.016	gr/DRY FT ³	Filterable	TSP
4.760	Lbs/Hr	Filterable; From the Hot Equipment Indicated in Condition # 024(a)(5)–(7), (10), and (12)	TSP
5.710	Tons/Yr	Filterable; 12-Month Rolling Sum, Calculated Monthly; From the Hot Equipment Indicated in Condition # 024(a)(5)–(7), (10), and (12)	TSP
8.328	Lbs/Hr	From the Hot Equipment Indicated in Condition # 024(a)(5)–(7), (10), and (12)	VOC
9.990	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Hot Equipment Indicated in Condition # 024(a)(5)–(7), (10), and (12)	VOC

Site Emission Restriction Summary

Emission Limit		Pollutant
25.000 Tons/Yr	Less Than; 12-Month Rolling Sum, Calculated Monthly	NOX
25.000 Tons/Yr	Less Than; 12-Month Rolling Sum, Calculated Monthly	VOC

**SECTION H. Miscellaneous.**

- (a) The plant address is: Church & Flint Hill Roads, King of Prussia, PA 19406.
- (b) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:
- (1) Operating Permit No. 46-303-021.
 - (2) Operating Permit No. 46-310-041.
 - (3) RFD No. 46-A01-2496.
 - (4) Plan Approval No. 46-0044A.
 - (5) Plan Approval No. 46-0044B.
 - (6) Plan Approval No. 46-0044C.
 - (7) Plan Approval No. 46-0044D.
- (c) The source descriptions specified in Section D, of this permit, as follows, are used for descriptive purposes only and are not considered enforceable conditions by the Department:
- (1) Condition # 014, Section D (under Source ID 106B), of this permit.
 - (2) Condition # 007, Section D (under Source IDs 107 and 109), of this permit.
 - (3) Condition # 009, Section D (under Source ID 108A), of this permit.
 - (4) Condition # 024, Section D (under Source ID 201), of this permit.
- (d) The following sources have been determined by the Department to be insignificant sources of air emissions and therefore do not require additional restrictions, monitoring, or recordkeeping. They are still subject to any applicable federal, state, and local regulations, including those indicated in Section C, of this permit:
- (1) Two horizontal ASTs, as follows:
 - (i) An 18,000-gal No. 2 fuel oil AST (Source ID FML02).
 - (ii) A 15,000-gal diesel fuel AST.
 - (2) A fines silo adjacent to the batch HMA plant baghouse (Source ID C201C).
- (e) This permit (APS ID 346921, Auth ID 1510295) is an administrative amendment to State Only Operating Permit No. 46-00044, originally issued on April 30, 2009 (APS ID 346921, Auth ID 355727); previously amended on January 15, 2010 (APS ID 346921, Auth ID 818150), February 26, 2010 (APS ID 346921, Auth ID 823361), August 15, 2016 (APS ID 346921, Auth ID 1145377), May 30, 2018 (APS ID 346921, Auth ID 1223842), and December 7, 2015 (APS ID 346921, Auth ID 1004632); and previously renewed on December 7, 2015 (APS ID 346921, Auth ID 1004632) and January 31, 2022 (APS ID 346921, Auth ID 1316595). The following is a listing of the changes reflected in this permit:
- (1) The PM, PM-10, and PM-2.5 emission rate restrictions in Condition # 001, Section D (under Source ID 108A), of the previously-renewed permit (same condition number in this permit), have been updated to include all three secondary crushers of the secondary stone crushing plant.
 - (2) The information for one of the secondary crushers in the source description for the secondary stone crushing plant, as specified in Condition # 009(a)(4)(ii), Section D (under Source ID 108A), of the previously-renewed permit (same condition number in this permit), has been updated.



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