



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: September 17, 2020

Effective Date: October 26, 2020

Expiration Date: October 27, 2025

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: 09-00031

Synthetic Minor

Federal Tax Id - Plant Code: 23-1445817-9

Owner Information

Name: EUREKA STONE QUARRY INC

Mailing Address: PO BOX 249
CHALFONT, PA 18914-0249

Plant Information

Plant: EUREKA STONE QUARRY/RUSH VALLEY 1

Location: 09 Bucks County 09953 Wrightstown Township

SIC Code: 1429 Mining - Crushed And Broken Stone, Nec

Responsible Official

Name: ALICE MEEHAN

Title: VP GEN COUNSEL

Phone: (215) 333 - 8000

Permit Contact Person

Name: JAMES FUREY

Title: ENVIRONMENTAL SAFETY DIR

Phone: (215) 333 - 8000

[Signature] _____

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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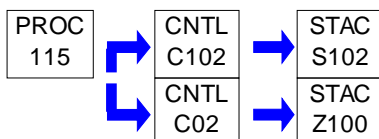
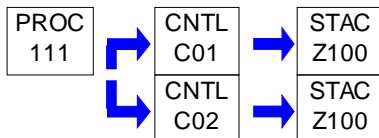
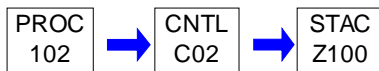
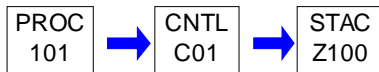
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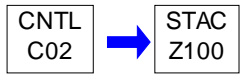
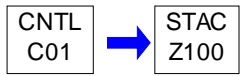
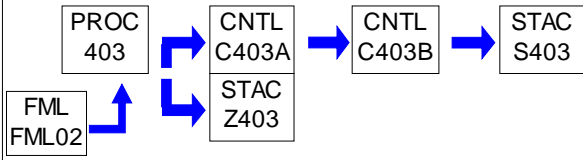
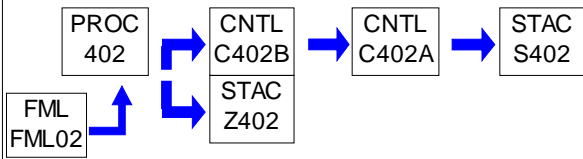
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	PRIMARY CRUSHER & GRIZZLY	950.000 Tons/HR	STONE
102	SECONDARY CRUSHERS 66" CRS	900.000 Tons/HR	STONE
111	CONVEYING & HANDLING		
114	SCREENS	2,750.000 Tons/HR	STONE
115	TERTIARY CRUSHERS	950.000 Tons/HR	STONE
402	ASPHALT BATCH PLANT 2	360.000 Tons/HR	HOT MIX ASPHALT
403	HOT MIX ASPHALT PLANT 4	150.000 MMBTU/HR	
		500.000 Tons/HR	HOT MIX ASPHALT
C01	WET SUPPRESSION SYSTEM 1	N/A	WATER
C02	WET SUPPRESSION SYSTEM 2	N/A	WATER
C102	BAGHOUSE - CRUSHING PLANT		
C402A	BAGHOUSE - ASPHALT PLANT 2		
C402B	KNOCK-OUT BOX - ASPHALT PLANT 2		
C403A	INERTIAL COLLECTOR - HOT MIX ASPHALT PLANT 4		
C403B	BAGHOUSE - HOT MIX ASPHALT PLANT 4		
FML02	NATURAL GAS		
S102	STONE CRUSHING PLANT - BAGHOUSE STACK		
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Z100	FUGITIVE EMISSIONS FOR STONE CRUSHING		
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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)&(c)]**Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
 - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

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

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

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

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

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

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

#015 [25 Pa. Code § 127.11]**Reactivation**

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

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

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

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

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

#017 [25 Pa. Code § 121.9]**Circumvention.**

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

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

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

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

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

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

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

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

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

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

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

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

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

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

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

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

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

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

- (1) construction or demolition of buildings or structures;
- (2) grading, paving and maintenance of roads and streets;
- (3) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets;
- (4) clearing of land;
- (5) stockpiling of materials;
- (6) open burning operations as specified in 25 Pa. Code Section 129.14;
- (7) blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting;
- (8) coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations); and
- (9) sources and classes of sources other than those identified in (1)-(8), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) the emissions are of minor significance with respect to causing air pollution; and
 - (ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa Code §123.1(a)(1)-(9) (related to prohibition of certain fugitive emissions), if such emissions are visible at the point the emissions pass outside the person's property.

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

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

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

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

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

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

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

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

The total NO_x and total VOC emissions shall not exceed 24.9 tons per year of each pollutant, on a twelve (12) month rolling basis.

008 [25 Pa. Code §129.14]**Open burning operations**

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

- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer;
- (2) A fire set for the purposes of instructing personnel in fire fighting, when approved by the Department;
- (3) a fire set for the prevention and control of disease or pests, when approved by the Department;
- (4) a fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation;
- (5) a fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure;
- (6) a fire set solely for recreational or ceremonial purposes; or
- (7) a fire set solely for cooking food.

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

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139 and the most current version of the DEP Source Testing Manual, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

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

The Department reserves the right to require stack testing of any source(s) as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or determining compliance with any applicable requirement.

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

Visible emissions of 25 Pa. Code §123.41, may be measured using either of the following:

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

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

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

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

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

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

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

The permittee shall keep a log of the dates and times of the road sweeping or cleaning.

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

The permittee shall maintain sufficient records and perform calculations on a monthly and on a 12-month rolling basis to demonstrate compliance with the NOx and VOC limits for the entire site.

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

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

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

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

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those

**SECTION C. Site Level Requirements**

that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

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

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

The permittee shall maintain recordkeeping formats as previously approved by the Department.

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

- (a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (c) The report shall describe the following:
 - 1. Name, permit or authorization number, and location of the facility;
 - 2. Nature and cause of the malfunction, emergency or incident;
 - 3. Date and time when the malfunction, emergency or incident was first observed;
 - 4. Expected duration of excess emissions;
 - 5. Estimated rate of emissions; and
 - 6. Corrective actions or preventative measures taken.
- (d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.
- (e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.
- (f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.
- (g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

**SECTION C. Site Level Requirements****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall report to the Department within 30 days, any exceedances of the site level NOx and VOC emissions restriction.

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

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

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

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

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

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

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

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

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

(f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

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

**SECTION C. Site Level Requirements**

The permittee shall ensure that the source(s) and air pollution control device(s), listed in Section A and Section G, where applicable, of this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with 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 cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A, of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

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

- (a) The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #013(g) of Section B, of this permit.
- (b) If an unauthorized modification of any source(s) occurs at this facility, the permittee shall immediately notify the Department. If so directed by the Department, then this permit, as it pertains to the modified source(s), shall be suspended and the source(s) shall not be operated until the modification is authorized by the Department.

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

The permittee shall keep all paved in-plant roads swept at a minimum of two (2) times per week, weather permitting.

025 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

A person responsible for any source specified in 25 Pa. Code § 123.1, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following

- (a) use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land;
- (b) application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts;
- (c) paving and maintenance of roadways; and
- (d) prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

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

The following individual has been approved by the Department as an additional responsible official for the facility:

James Furey
Environmental Safety Director
P.O. Box 249
Chalfont, PA 18914
215-333-8000

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).

**SECTION C. Site Level Requirements****IX. COMPLIANCE SCHEDULE.**

#027 30-NOV-20

By November 30, 2020, the permittee shall submit to the Department for approval a source test protocol for source ID 403 (HOT MIX ASPHALT PLANT 4) for the test required by condition #028 of this section.

#028 30-JUN-21

By June 30, 2021, the permittee shall conduct a stack test for Source ID 403 (HOT MIX ASPHALT PLANT 4) in accordance with the same procedures, notifications, and reporting timeframes as listed in Section D, Source ID 403 (HOT MIX ASPHALT PLANT 4), Testing Requirements, conditions #005, #007, #008, #009.

[This is a separate test from the one that is required to be conducted no later than 12 months prior to the expiration of this permit].

#029 30-AUG-21

By August 30, 2021 or within sixty (60) days after the source test(s), whichever comes first, (unless a more stringent regulatory requirement applies), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office for approval for the stack test required by condition #027 (section C) for source ID 403 (HOT MIX ASPHALT PLANT 4).

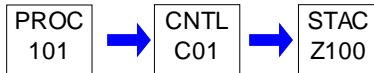
[Additional information on the stack testing procedure is available in section D, source ID 403 (HOT MIX ASPHALT PLANT 4) Testing Requirements (conditions #005, #007, #008, #009)].

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: PRIMARY CRUSHER & GRIZZLY

Source Capacity/Throughput: 950.000 Tons/HR STONE

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

The primary crusher and grizzly shall be limited to a production of 950 tons/hr, calculated as an average on a daily basis.

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

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from this source, pursuant to 25 Pa. Code § 123.1.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

- (a) Records of production of the crusher shall be kept on daily basis
- (b) Records of hours of operation of the crusher shall be kept on daily basis
- (c) A daily average tons/hour shall be calculated and recorded to demonstrate compliance with the limitation in Condition # 001 for this source.

V. REPORTING REQUIREMENTS.

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

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

The permittee shall comply with the Requirements of the Wet Suppression System #1 (Source ID C01), indicated in Section D of this permit, as pertains to this source.

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

The following are associated with this source:

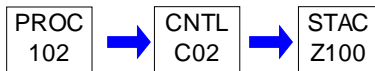
- 101 Primary Crusher (Allis Chalmers model 4265 rated at 950 tons/hr) and Vibrating Grizzly
- 111 Conveying and Handling
- 112 Stock Piles
- C01 Wet Suppression System #1

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: SECONDARY CRUSHERS 66" CRS

Source Capacity/Throughput: 900.000 Tons/HR STONE

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

001 [25 Pa. Code §123.1]
Prohibition of certain fugitive emissions

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from this source, pursuant to 25 Pa. Code § 123.1.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

The permittee shall comply with the Requirements of the Wet Suppression System #2 (Source ID C02), indicated in Section D of this permit, as pertains to this source.

VII. ADDITIONAL REQUIREMENTS.

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

The following are associated with this source:

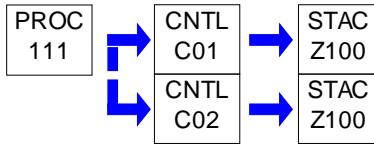
102 Secondary Crushers (2 TelSmith 66S crushers rated at 900 tons/hr total for both) - 66" Course
 111 Conveying and Handling
 112 Stock Piles
 C02 Wet Suppression System #2

**SECTION D. Source Level Requirements**

Source ID: 111

Source Name: CONVEYING & HANDLING

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

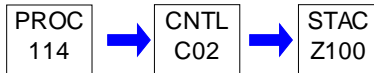
This source includes the C31 conveyor, which introduces pre-crushed stone into the tertiary crushers.

**SECTION D. Source Level Requirements**

Source ID: 114

Source Name: SCREENS

Source Capacity/Throughput: 2,750.000 Tons/HR STONE

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

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from this source, pursuant to 25 Pa. Code § 123.1.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

The permittee shall comply with the Requirements of the Wet Suppression System #2 (Source ID C02), indicated in Section D of this permit, as pertains to this source.

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

The following are associated with this source:

Scalper Screen (Diester 8' x 20' rated at 950 tons/hr)
 Scalper Screen (Hewitt-Robins M-11 rated at 200 tons/hr)
 Fines Screens (2 Hewitt-Robins Gyrex M-13 rated at 450 tons/hr total for both)
 Fines Screens (2 Svedela rated at 450 tons/hr total for both)
 Fines Screen (Svedela 8' x 24' rated at 700 tons/hr)

**SECTION D. Source Level Requirements**

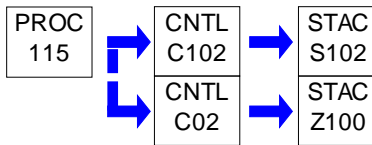
111 Conveying and Handling
112 Stock Piles
C02 Wet Suppression System #2

**SECTION D. Source Level Requirements**

Source ID: 115

Source Name: TERTIARY CRUSHERS

Source Capacity/Throughput: 950.000 Tons/HR STONE

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

No person may permit the emission into the outdoor atmosphere of a fugitive air contaminant from this source, pursuant to 25 Pa. Code § 123.1.

002 [25 Pa. Code §123.13]**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from the baghouse (Source ID C102) at any time, in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor the following daily:

- (a) pressure drop readings of the baghouse
- (b) collector exhaust condition (e.g. visible or not visible). Visible emissions shall be pursued in accordance with Section C, Condition #012(b) of this Operating Permit.

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

(1) The permittee shall record the following on a daily basis:

- (a) pressure drop readings of the baghouse
- (b) collector exhaust condition (e.g. visible or not visible). If visible, recordkeeping shall be performed in accordance with Section C, Condition #016.

(2) The permittee shall keep records of preventive and corrective maintenance performed on the fabric collectors associated with this source, including the date of the maintenance.

V. REPORTING REQUIREMENTS.

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

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

- (a) The permittee shall maintain pressure drop monitors in operable condition on all fabric collectors which are associated with air contamination sources for this source.
- (b) The baghouse shall be operating at all times when the VSI # 1 crusher is in operation.
- (c) The permittee shall inspect and have preventive and corrective maintenance performed on fabric collectors associated with this source.
- (d) The permittee must have water suppression at each transfer point.

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

- a) The storage and handling of the dust materials captured by the fabric collectors shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. §123.1.
- (b) All particulate matter emissions from the VSI #1 crusher shall be directed to the baghouse.

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

The permittee shall comply with the Requirements of the Wet Suppression System #2 (Source ID C02), indicated in Section D of this permit, as pertains to this source.

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

The permittee shall maintain a pressure drop within the range of 3.5 - 7.5 inches w.c. across the baghouse, Source ID C102.

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

The following are associated with this source:

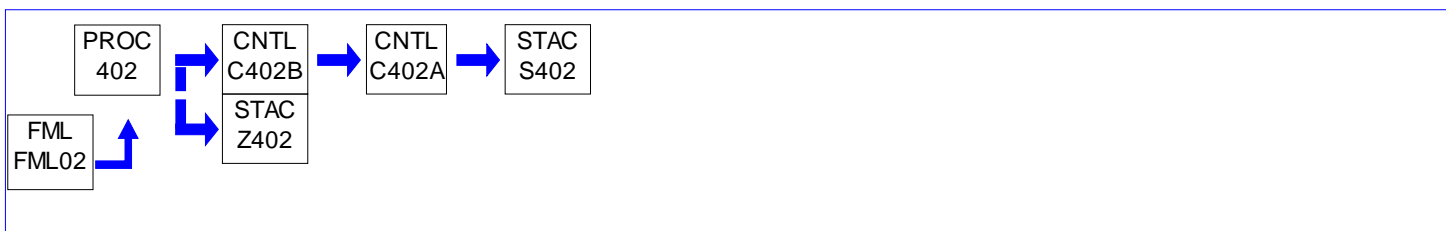
Tertiary Crusher VSI #2 (Sandvic Model 6800 rated at 450 tons/hr)
 Tertiary Crusher VSI #1 (Impact Service Corp. Model ISC 103 rated 500 tons/hr)
 111 Conveying and Handling
 112 Stock Piles
 C02 Wet Suppression System #2
 C102 Baghouse controlling VSI #1 crusher

**SECTION D. Source Level Requirements**

Source ID: 402

Source Name: ASPHALT BATCH PLANT 2

Source Capacity/Throughput: 360.000 Tons/HR HOT MIX ASPHALT

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

001 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.92]

**Subpart I - Standards of Performance for Hot Mix Asphalt Facilities
Standard for particulate matter.**

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

The permittee shall not discharge or cause the discharge into the atmosphere from the facility any gases which

- (a) contain particulate matter in excess of 90 mg/dscm (0.04 gr/dscf).
- (b) Exhibit 20 percent opacity, or greater.

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

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall use only Natural Gas as a fuel for this source.

Throughput Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the throughput by the following:

- (a) 225,000 tons of total asphalt production/yr - 12-month rolling average.
- (b) RAP shall be limited to a maximum of 20 percent by weight of total asphalt produced.

II. TESTING REQUIREMENTS.

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.92]

**Subpart I - Standards of Performance for Hot Mix Asphalt Facilities
Standard for particulate matter.**

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

The permittee shall determine compliance with the particulate matter standards in 40 CFR § 60.92 as follows:

**SECTION D. Source Level Requirements**

(1) Method 5 shall be used to determine the particulate matter concentration. The sampling time and sample volume for each run shall be at least 60 minutes and 0.90 dscm (31.8 dscf).

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

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

The permittee shall monitor the following: (a) pressure drop of the baghouse daily

(b) the amount of asphalt produced on a daily, monthly, and 12-month rolling basis

(c) the amount of fuel consumed on a monthly basis

(d)
(1) the amount of Reclaimed Asphalt Pavement (RAP) used in production daily, monthly and on a 12-month rolling basis.

(2) the amount of RAP as a percentage of total production on a daily and monthly basis.

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

The permittee shall record the following: (a) pressure drop of the baghouse daily

(b) the amount of asphalt produced on a daily, monthly, and 12-month rolling basis

(c) the amount of fuel consumed on a monthly basis

(d)
(1) the amount of Reclaimed Asphalt Pavement (RAP) used in production on a daily, monthly and 12-month rolling basis
(2) the amount of RAP as a percentage of total production on a daily and monthly basis

(e) Records shall be kept for a period of five (5) years and made available to the Department upon its request.

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

The permittee shall provide notice to the Department of the completion of construction and start of operation of the RAP addition system within 7 days of the start of operation. The notification is to include a description of the equipment constructed.

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

The permittee shall maintain a pressure drop within the range of 1.0 - 4.5 inches w.c. across the baghouse, Source ID C402A.

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

This source shall be operated and maintained in accordance with manufacturer's specifications.

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

The permittee shall use the following factors when performing emissions calculations required by Section C of this permit:

Pollutant	Natural Gas
NO2	0.0300 lb/ton
VOC	0.0347 lb/ton

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

(a) The permittee shall maintain pressure drop monitors in operable conditions on all fabric collectors which are associated with the air contamination for this source.

(b) The permittee shall provide visual means of observing the pressure drop.

(c) The baghouse shall be operating at all times when the batch asphalt plant is in operation.

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the fabric collectors associated with this source in order to be able to immediately replace any bags requiring replacement due to deterioration from routine operation of this source and fabric collectors.

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

(a) The storage and handling of the dust materials captured by the fabric collectors shall not at any time result in the emission of fugitive air contaminants in excess of the limitations specified in 25 Pa. §123.1.

(b) All particulate matter emissions from this source shall be directed to the baghouse.

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

Activities of Source 402 - Batch Asphalt 2 include, but are not limited to the following:

- (a) loading, transfer and storage systems
- (b) mixer
- (c) weight hopper
- (d) dryer heater
- (e) baghouse (Gencor) and knock-out box

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

The batch asphalt plant 2 (manufacturer: Possey Iron Works) is rated at 360 tph/ 125 MMBTU/hr.

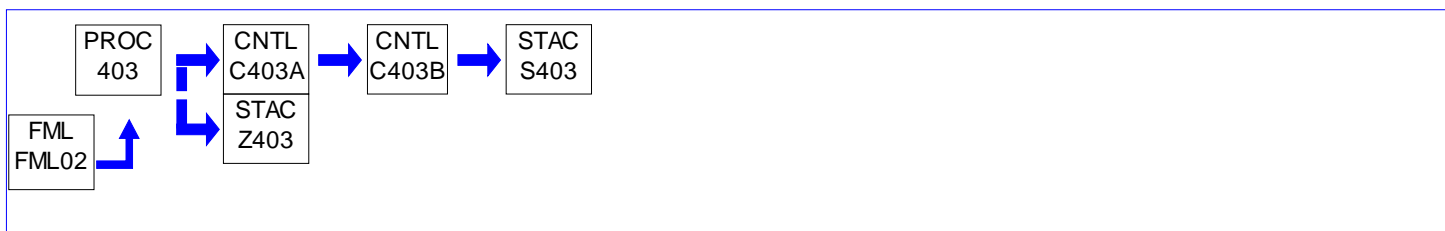
**SECTION D. Source Level Requirements**

Source ID: 403

Source Name: HOT MIX ASPHALT PLANT 4

Source Capacity/Throughput: 150.000 MMBTU/HR

500.000 Tons/HR HOT MIX ASPHALT

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

(a) The emissions of pollutants from the Hot Mix Asphalt Plant are limited to the following on a 12-month rolling basis:

- (1) Nitrogen Oxides (NO_x) are limited to 7.93 tons per year.
- (2) Volatile Organic Compounds (VOC) are limited to 12.63 tons per year.
(total of dryer and fugitive emissions from asphalt truck loading and silo/storage filling operations)
- (3) Sulfur Oxides (SO_x) are limited to 4.15 tons per year.
- (4) Carbon Monoxide (CO) is limited to 34.1 tons per year.
- (5) Particulate Matter (PM) is limited to 3.68 tons per year.

(b) The emission of PM from the baghouse shall not exceed 0.02 grains per dry standard cubic feet.

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

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

The following fuel is approved for use in the aggregate dryer burner and the hot oil heaters for two 30,000 gallon liquid asphalt storage tanks:

Natural Gas.

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

(a) The permittee shall limit the throughput of asphalt produced by this source to the average production rate documented during the last passing source test plus 10%, and the throughput limit determined from the last passing source test. The permitted throughput limit shall not exceed 500 tons/hr.

(b) The facility shall be limited to produce a maximum of 525,000 tons/yr of total hot mix asphalt production on a 12-month rolling basis.

(c) RAP shall be limited to a maximum of 30 percent by weight of total asphalt produced.

**SECTION D. Source Level Requirements****Control Device Efficiency Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The pressure drop across the baghouse shall be kept between 1.5 - 6.0 in. w.g.
- (b) The reverse air flow cleaning procedure shall be initiated at a differential pressure recommended by the manufacturer to allow for the greatest baghouse efficiency. This pressure differential shall be 6.0 in. w.g.
- (c) A timer initiated cleaning cycle may be used, at an interval specified by the manufacturer to allow for the greatest baghouse efficiency. The owner/operator shall provide written notification to the Department as well as the cleaning interval set point before use of this method of cleaning initiation during production.

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

- (a) The permittee shall perform a stack test using the Department-approved procedures at least 12 months prior to the expiration of this permit. Performance tests shall be conducted while the source is operating at maximum routine operating conditions operation with maximum percent RAP being introduced into the mix or under such other conditions, within the capacity of the equipment, as may be requested by the Department. Stack tests on the asphalt plant dryer shall determine the emission factors for NO_x, VOC, SO_x, CO and PM in pounds per ton of production. In addition, the owner/operator shall also determine the PM emission rate from the baghouse in gr/dscf and lbs/hr. When testing of a source is required on a recurring basis, a single procedural protocol may be submitted for approval; thereafter, a letter referencing the previously approved procedural protocol is sufficient. However, if modifications are made to the process(es), if a different stack testing company is used, or if an applicable section of the stack testing manual has been revised since approval, a new protocol must be submitted for approval.
- (b) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.
- (c) The stack test shall, at a minimum, test for NO_x, VOC, SO_x, CO and PM. Tests shall be conducted in accordance with the provisions of 40 CFR Subpart I or other Department approved methodology and 25 Pa. Code Chapter 139.
- (d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.
- (e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.
- (f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. The Department may grant an extension for a reasonable cause.

[Stack test as required by compliance schedule in section C (condition #028), does not meet the requirement of this Condition to test 12 months prior to expiration of this permit].

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

- (a) When tuning is performed on the Hot Mix Asphalt Plant #4 dryer burner, a portable analyzer capable of NO_x and CO analysis shall be used, so as to demonstrate that an effort was made to minimize NO_x during tuning.
- (b) NO_x and CO shall be read during the tuning.

**SECTION D. Source Level Requirements**

(c) The portable analyzers readings in (b) of this condition shall not be relied upon to demonstrate compliance with the limitations in Condition #001 of this Section.

(d) The Department reserves the right to require additional stack testing.

007 [25 Pa. Code §139.53]**Filing monitoring reports.**

Pursuant to 25 Pa. Code § 139.53(b), a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all the applicable permit conditions. The summary results will include, at a minimum, the following information:

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

008 [25 Pa. Code §139.53]**Filing monitoring reports.**

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

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

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

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

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

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

1. Test Date(s)

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

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

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

4. Testing Requirements

- a. Operating permit number
- b. Applicable federal subpart(s) (40 CFR 60, Subpart I)

(c). Mail all paper submissions to both the PSIMS Administrator and the Air Quality Program Manager for the Southeast

**SECTION D. Source Level Requirements**

Regional Office. Mailing addresses are provided below.

Central Office
 Pennsylvania Department of Environmental Protection
 Attn: PSIMS Administrator
 P.O. Box 8468
 Harrisburg, PA 17105-8468

Southeast Region
 Pennsylvania Department of Environmental Protection
 Attn: Air Quality Program Manager
 2 East Main Street
 Norristown, PA 19401

(d). Eliminate shading, color ink for data emphasis, small font size, and color saturation as the scanning to create an electronic file is done in black and white. Shading and color emphasis do not scan well and make the electronic copies difficult to read.

(e). Email all electronic submissions to both the PSIMS Administrator in Central Office and the Air Quality Program Manager for the Southeast Regional Office. Email addresses are provided below.

Central Office
 RA-EPstacktesting@pa.gov

Southeast Region
 RA-EPSEstacktesting@pa.gov

(f). The Department limits emails to 15 MB and PSIMS has a file size limitation of 100 MB for electronic files. Submit just one electronic file (convert any Microsoft Word or Excel files to an Adobe PDF format and combine them with the report or protocol), unless the submission contains CONFIDENTIAL information.

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

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The company shall monitor the pressure differential across the baghouse continuously and record the pressure differential once every day asphalt is produced.

IV. RECORDKEEPING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The pressure differential for the baghouse shall be recorded on a daily basis.

(b) The company shall keep the following records.

(1) Amount of asphalt produced on a daily, monthly, and 12-month rolling basis.

(2) (i) Amount of RAP used in production on a daily, monthly, and 12-month rolling basis.

(ii) Amount of RAP as a percentage of total production on a daily and monthly basis.

(3) For the pollutants listed in Condition #001, a record on a monthly and on a 12-month rolling basis, of these pollutants emitted during the production of asphalt.

(i) In calculating this record, the company shall use the emissions factors, determined during the most recent stack test

**SECTION D. Source Level Requirements**

on the asphalt plant dryer.

(ii) VOC emissions are the total of dryer emissions and fugitive emissions from the truck loading and silo/storage filling operations. The owner/operator shall use the emission factor of 0.016 lb/ton production to calculate fugitive VOC emissions for the truck loading and silo/storage filling operations.

(c) Records shall be maintained in a legible and organized format and made available for review, for the Department, at the time of an inspection by the Department.

(d) Records shall be kept for a period of five (5) years and made available to the Department upon its request.

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

(a) A record of each dryer burner tuning shall be kept with the records for this source, so as to demonstrate that an effort was made to minimize NOx emissions during the tuning.

(b) This record shall include the date of the tuning and, at a minimum, the final NOx and CO concentrations achieved, as measured by a portable analyzer.

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

(a) The source, control devices, and the monitoring devices are to be operated and maintained in a manner with good operating and maintenance practice.

(b) The baghouse shall be equipped with a differential pressure gauge to measure the pressure drop across the baghouse.

(c) The company shall maintain and operate the aggregate dryer burner and hot oil burners for the two 30,000 gallon liquid asphalt storage tanks in accordance with manufacturer's specifications and good engineering practice.

(d) Storage and handling of material collected in the inertial collector and baghouse shall not at any time result in the emission of fugitive air contaminants in excess of the limitation specified in 25 Pa. Code Section 123.1.

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

(a) The Hot Mix Asphalt Plant #4 dryer burner shall be tuned annually (not to exceed 12 months between 2 consecutive tunings) so as to minimize NOx emissions without excessive CO emissions. Both NOx and CO emissions must meet the limitations in Condition #001 of this Section.

(b) Burner tuning shall be consistent with manufacturer recommendations.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

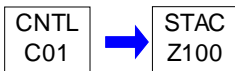
Source ID: C01

Source Name: WET SUPPRESSION SYSTEM 1

Source Capacity/Throughput:

N/A

WATER

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

The mineral crushing plant, to include any individual source within the mineral crushing plant, shall not be operated if any part of the water spray suppression system is not functioning or operating efficiently.

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

(a) The wet dust suppression system shall be operated on any and all occasions that any individual source (Source IDs 101,111) comprising the mineral crushing plant controlled by Wet Suppression System #1 is operated, except in those unusual instances where conditions are such that operation of the source without the simultaneous operation of the water suppression system can take place without creating air contaminant emissions in excess of the limitations specified in this permit.

(b) The water spray suppression system shall be operated efficiently and shall not at any time cause the emission of fugitive air contaminants from the controlled sources in excess of the limitations specified in 25 Pa. Code Section 123.1.

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

(a) The permittee shall conduct performance tests on the crushing plant, using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Such testing shall be conducted at least 12 months prior to the expiration of this permit.

(b) The performance tests shall test for opacity using EPA Test Method 9 and the procedures in Section 40 CFR 60.675. Method 9 shall be conducted on the primary crusher and transfer points.

(c) At least ninety (90) days prior to the test, the company shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of opacity readings.

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

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

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

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

- (a) The following parameters of the water spray suppression system shall be monitored and displayed at all times the water spray suppression system is operating.
- (1) Flow rate of water in gallons per minute.
 - (2) Water pressure in pounds per square inch.
- (b) The water spray suppression system shall be inspected daily, when the plant is operating, for the following:
- (1) Spray nozzles for plugging, alignment and condition.
 - (2) Hoses for leaks, loose hose clamps and condition.
 - (3) Discharge pressure at pump manifold.
- (c) The minerals processing plant shall be monitored daily for fugitive emissions.

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

- (a) The following records shall be kept in a bound logbook on a daily basis.
- (1) Records of water flow rate in gallons per minute.
 - (2) Records of water pressure in pounds per square inch.
 - (3) Records of the daily inspection required in Conditions #002(b) and #002(c).
- (b) The following records shall be kept if any components of the water spray suppression system malfunction.
- (1) The date, time and type of malfunction.
 - (2) The cause of the malfunction.
 - (3) The corrective actions taken to correct the malfunction.
- (c) The above records shall be kept for a period of five years.

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.**

- (a) The water spray suppression system is to be constructed as per the manufacturer's specifications. No modifications may be made to the water spray suppression system without prior written approval from the Department.
- (b) Water spray suppression system #1 shall consist of the following:
 Manufacturer: NESCO
 Model: Dustpro Model 402
 Controlled Source: Primary crusher and associated equipment
 Pump Rating: 40 gpm pump delivering at 200 psi
 No. of Lines: 2
 Line 1: Truck charging of feed hopper with vibrating grizzly, primary crusher
 Line 2: Primary crusher and associated equipment (including all transfer points)
- (c) The water spray suppression system shall incorporate the cold weather options, including: heater for pump module, air purge system, and the anti-freeze injection system, as per the manufacturer's specifications.
- (d) The company shall maintain a sufficient amount of spare spray nozzles on site.

**SECTION D. Source Level Requirements**

(e) Wet Suppression System #1 shall operate at a minimum flow rate of 10 gpm and minimum pressure of 190 psi.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION D. Source Level Requirements**

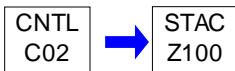
Source ID: C02

Source Name: WET SUPPRESSION SYSTEM 2

Source Capacity/Throughput:

N/A

WATER

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

The mineral crushing plant, to include any individual source within the mineral crushing plant, shall not be operated if any part of the water spray suppression system is not functioning or operating efficiently.

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

(a) The wet dust suppression system shall be operated on any and all occasions that any individual source (Source IDs 102, 114, 115, 111) comprising the mineral crushing plant controlled by Wet Suppression System #2 is operated, except in those unusual instances where conditions are such that operation of the source without the simultaneous operation of the water suppression system can take place without creating air contaminant emissions in excess of the limitations specified in this permit.

(b) The water spray suppression system shall be operated efficiently and shall not at any time cause the emission of fugitive air contaminants from the controlled sources in excess of the limitations specified in 25 Pa. Code Section 123.1.

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

(a) The permittee shall conduct performance tests on the crushing plant, using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Such testing shall be conducted at least 12 months prior to the expiration of this permit.

The permittee may request and the Department may approve that performance testing be conducted without the C102 baghouse associated with the VSI #1 crusher, controlled by Wet Suppression System 2, connected. Such a request shall be made through a Request for Determination (RFD), approved prior to the testing, for one-time testing without the baghouse operative.

Note: If Department-approved performance testing conducted without the baghouse connected indicates compliance with the fugitive emissions limitations in this Operating Permit, the permittee may request, through an administrative amendment, that the baghouse be removed from the Operating Permit as a control device.

(b) The performance tests shall test for opacity using EPA Test Method 9 and the procedures in Section 40 CFR 60.675. Method 9 shall be conducted on all exposed or covered equipment and transfer points in accordance with the methodology in 40 CFR Section 60.675.

(c) At least ninety (90) days prior to the test, the company shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of opacity readings.

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

**SECTION D. Source Level Requirements**

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), one paper copy plus one electronic copy of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

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

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

(a) The following parameters of the water spray suppression system shall be monitored and displayed at all times the water spray suppression system is operating.

- (1) Flow rate of water in gallons per minute.
- (2) Water pressure in pounds per square inch.

(b) The water spray suppression system shall be inspected daily, when the plant is operating, for the following:

- (1) Spray nozzles for plugging, alignment and condition.
- (2) Hoses for leaks, loose hose clamps and condition.
- (3) Discharge pressure at pump manifold.

(c) The minerals processing plant shall be monitored daily for fugitive emissions.

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

(a) The following records shall be kept in a bound logbook on a daily basis.

- (1) Records of water flow rate in gallons per minute.
- (2) Records of water pressure in pounds per square inch.
- (3) Records of the daily inspection required in Conditions #002(b) and #002(c).

(b) The following records shall be kept if any components of the water spray suppression system malfunction.

- (1) The date, time and type of malfunction.
- (2) The cause of the malfunction.
- (3) The corrective actions taken to correct the malfunction.

(c) The above records shall be kept for a period of five years.

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.**

(a) The water spray suppression system is to be constructed as per the manufacturer's specifications. No modifications may be made to the water spray suppression system without prior written approval from the Department.

(b) Water spray suppression system #2 shall consist of the following:

Manufacturer: NESCO

Model: Dust Pro Model 206

Controlled Source: Secondary and tertiary crushers with their associated equipment.

**SECTION D. Source Level Requirements**

Pump Rating: 20 gpm pump delivering at 200 psi

No. of Lines: 6

Line 1: Scalping screen, surge pile stacker and base pile.

Line 2: Spare.

Lines 3,4,5: Secondary and tertiary crushers and associated equipment (including all transfer points)

Line 6: stacking conveyors.

(c) The water spray suppression system shall incorporate the cold weather options, including: heater for pump module, air purge system, and the anti-freeze injection system, as per the manufacturer's specifications.

(d) The company shall maintain a sufficient amount of spare spray nozzles on site.

(e) Wet Suppression System #2 shall operate at a minimum flow rate of 7 gpm and minimum pressure of 130 psi.

VII. ADDITIONAL REQUIREMENTS.

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



SECTION E. Source Group Restrictions.

No Source Groups exist for this permit.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this permit.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
115	TERTIARY CRUSHERS		
Emission Limit		Pollutant	
0.040	gr/DRY FT3	0.04 gr/dscf - applies to stack of baghouse C102	TSP
403	HOT MIX ASPHALT PLANT 4		
Emission Limit		Pollutant	
34.100	Tons/Yr		CO
7.930	Tons/Yr		NOX
4.150	Tons/Yr		SOX
0.020	gr/DRY FT3		TSP
3.680	Tons/Yr		TSP
12.630	Tons/Yr		VOC

Site Emission Restriction Summary

Emission Limit		Pollutant
24.900 Tons/Yr	12-month rolling sum	NOX
24.900 Tons/Yr	12-month rolling sum	VOC

**SECTION H. Miscellaneous.**

(A) Certain terms and conditions of this permit are based on the previous operating permits, permit number OP-09-0031, 09-303-020, 09-310-019, 09-303-009 and 09-303-026.

(B) The Department has determined that emissions from the following sources, excluding those indicated as site level requirements in Section C of this permit, are of insignificant size and do not require additional limitations, monitoring, or recordkeeping.

(1) 1001 Asphalt Tanks - 3 (2 natural gas, 1 electric heating)

(2) 1003 Asphalt Silos - 5

The potential yearly emissions for the above are below 1 tpy each.

(3) Aggregate Handling - Fugitive emissions to be maintained in accordance with good engineering practices and in accordance to 25 Pa. Code § 123.1, covered in Section C, Site Level.

(4) The asphalt tank heater associated with asphalt plant #2, which is electrically heated.

(C) A portable crushing plant containing a Universal 130/150 crusher, Allis Chalmers screen and several conveyors, used for crushing RAP, is permitted under 09-310-07GP, and is not included in SOOP 09-00031.

(D) APS # 346944, AUTH #355750 applies to the initial issuance, October 30, 2003.

APS #346944, AUTH #729125 applies to the renewal issuance, February 4, 2010, which also incorporated Plan Approval 09-0031A and RFD 227.

APS #346944, AUTH# 859694 applies to the incorporation of Plan Approval 09-0031B (which superseded Plan Approval 09-0031).

APS #346944, AUTH #906660 applies to a minor modification to include the RAP system for Batch Asphalt Plant 2, Source ID 402.

APS # 346944, AUTH # 1029949 (October, 2015) applies to this renewal issuance. In addition, a minor modification allowing an increase in allowable RAP content to 30% in Asphalt Plant 403 is incorporated in the renewal.

The following changes are made with the 2015 renewal issuance. Condition numbers refer to the February 13, 2012 issuance of the Operating Permit.

Cover Page

Robert Albert was replaced by Alice Meehan as Responsible Official.

Section C

Condition #002

*Part (6) of the condition was clarified by adding the reference of 25 Pa. Code § 129.14.

* Part (b) of the condition was removed since it was not part of the standard condition for prohibition of fugitive emissions.

The following Conditions were updated to reflect current DEP guidelines.

Condition #006

Condition #008

Condition #012

Condition #015

Condition #021

Condition #022

Condition #025

Condition #007

*The condition was clarified by specifying that the limitation is for "each pollutant."

*The VOC and NOx limits were changed to 24.9, for consistency with Section F of the permit.

Additional Additional Requirements

Mr. James Furey was noted as alternate Responsible Official.

**SECTION H. Miscellaneous.**

Section D

Source ID 101, Condition #005

The crusher manufacturer is corrected to Allis Chalmers.

Source ID 102, Condition #003

The crusher manufacturer is corrected to TelSmith.

Source ID 111

The C31 conveyor was noted with the Additional Requirements.

Source ID 115

Condition #003 (b)

The requirement to pursue the requirements of Section C, Condition #012(b) in response to visible emissions was added to the condition.

Condition #004 (b)

The requirement to pursue the requirements of Section C, Condition #016 if visible emissions are seen in the exhaust was added to the condition.

Additional Work Practice Condition

Allowable pressure drop range was added.

Source ID 402

Condition #003

The condition was clarified by adding "as a fuel for this source."

Condition #004(a)

The condition was clarified by expressing the limitation on "total asphalt production" rather than on "asphalt."

Condition #007(e)

The condition was revised to indicate that records are always to be kept for a period of 5 years.

Condition #014

The manufacturer was corrected to Possey Iron Works.

Additional Reporting Condition

A reporting condition for notification of completion of construction and start of operation of the RAP addition system within 7 days of start of operation to include the equipment constructed was included.

Additional Work Practice Condition

Allowable pressure drop range was added.

Source ID 403

Condition #003(a)

The condition was clarified by expressing the limitation on "total asphalt production" rather than on "asphalt."

Condition #012

The reporting condition was removed since its requirements are included in Section C Condition #021.

Source ID C01

Condition #003(a)

The condition was clarified by removing the requirement to submit reports 6 months before permit expiration. Reports are due pursuant to Condition #003(e).

Condition #003(b)

Method 22 testing was removed from the testing procedures since 40 CFR Section 60.675 now requires Method 9 testing for enclosures as well.

**SECTION H. Miscellaneous.**

Source ID C02

Condition #003(a)

*The condition was clarified by removing the requirement to submit reports 6 months before permit expiration. Reports are due pursuant to Condition #003(e).

*A paragraph was included to indicate that the permittee may submit an RFD for one-time performance testing without the C102 baghouse associated with the VSI #1 crusher, controlled by the wet suppression system, connected. Upon Department approval and after such performance testing indicates compliance, the baghouse may be removed from the Operating Permit as a control device, through an Administrative Amendment.

Condition #003(b)

Method 22 testing was removed from the testing procedures since 40 CFR Section 60.675 now requires Method 9 testing for enclosures as well.

Section G

*Part (C) and (D) were re-arranged.

*Crusher manufacturer in part (C) was corrected to Allis Chalmers.

* Asphalt tanks were noted as (3) (2 natural gas, 1 electric heating) and silos as (5).

*Changes made with this permit issuance were noted.

May 2020

APS #346944, AUTH #1308506. This Operating Permit is being renewed with minor changes in standard conditions in accordance with Department of Environmental Protection (DEP) guidelines (further information is available in the review memo for this renewal):

- Three compliance schedule conditions (#027, #028, #029) were added at the end of section C (page 20). The Department has placed these conditions in order to place a deadline to perform the stack test on source ID 403 which was due by October 27, 2019.
- Source ID 403 - testing condition #005 was updated to match the new permitting language, and condition #009 was added to this SOOP.
- Source ID Nos. C01 and C02 - testing condition #003 was updated to match the new permitting language.



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