



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: May 28, 2004

Effective Date: May 28, 2004

Expiration Date: June 30, 2009

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

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

State Only Permit No: 46-00043

Synthetic Minor

Federal Tax Id - Plant Code: 23-1386976-5

Owner Information

Name: GLASGOW INC

Mailing Address: PO BOX 1089
GLENSIDE, PA 19038

Plant Information

Plant: GLASGOW INC/IVY ROCK

Location: 46 Montgomery County 46944 Plymouth Township

SIC Code: 2951 Manufacturing - Asphalt Paving Mixtures And Blocks

Responsible Official

Name: JOHN H RATH

Title: VICE PRESIDENT

Phone: (215) 884 - 8800

Permit Contact Person

Name: BRIAN K CHABAK

Title: ENVIRONMENTAL MANAGER

Phone: (215) 884 - 8800

[Signature] _____

FRANCINE B CARLINI, SOUTHEAST REGION AIR PROGRAM MANAGER



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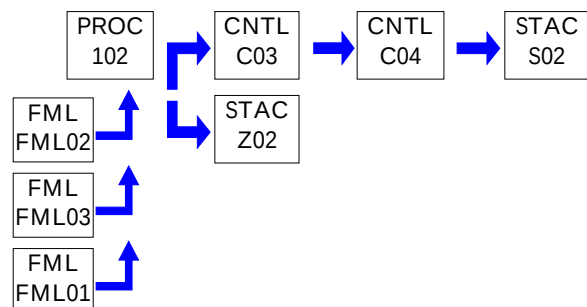
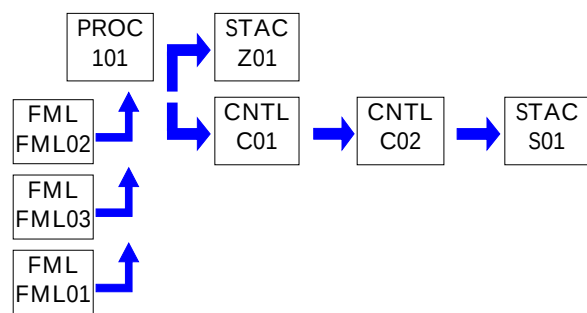
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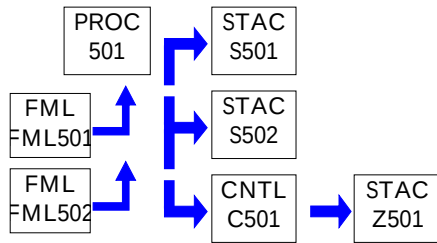


SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	BARBER-GREENE BATCH ASPHALT PLANT (#1)	514.00 Gal / HR	#2 Oil
		482.00 Gal / HR	#4 Oil
		350.00 Tons / HR	HOT MIX ASPHALT
102	MCCARTER BATCH ASPHALT PLANT (#2)	507.00 Gal / HR	#2 Oil
		482.00 Gal / HR	#4 Oil
		250.00 Tons / HR	HOT MIX ASPHALT
501	PORTABLE STONE CRUSHING PLANT	155.00 Tons / HR	SEE CONDITION # 015
		30.00 Gal / HR	Diesel Fuel
C01	BATCH ASPHALT PLANT #1 CYCLONE		
C02	BATCH ASPHALT PLANT #1 BAGHOUSE		
C03	BATCH ASPHALT PLANT #2 CYCLONE		
C04	BATCH ASPHALT PLANT #2 BAGHOUSE		
C501	WATER SPRAY DUST SUPPRESSION SYSTEM		
FML01	8,000-GAL NO. 2 FUEL OIL AST'S (3)		
FML02	14,500-GAL NO. 4 FUEL OIL AST		
FML03	30,000-GAL NO. 4 FUEL OIL AST		
FML501	PORT STONE CRUSH PLANT DIESEL ENG FUEL TK		
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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, modification, revision, renewal, and re-issuance of each operating permit or part thereof.

SECTION B. General State Only Requirements

(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 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

SECTION B. General State Only Requirements

(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 modified, revoked, reopened and reissued or terminated for cause if one or more of the following applies:

(a) 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.

(b) 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.

(c) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(d) 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 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.

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(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:

(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.

SECTION B. General State Only Requirements

(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)

(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 §

SECTION B. General State Only Requirements

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 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.

SECTION B. General State Only Requirements

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

Recordkeeping.

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

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

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

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

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

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

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Sources and classes of sources other than those identified in (a) - (e), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), 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.
 - (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 Condition # 002, Section C, of this permit, 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

Except as indicated in Condition # 002, Section D (under Source ID 101), of this permit, and Condition # 003, Section D (under Source ID 102), of this permit, 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 one hour.
- (b) Equal to or greater than 60% at any time.

006 [25 Pa. Code §123.42]

Exceptions

The emission limitations indicated in Condition # 005, Section C, of this permit; Condition # 002, Section D (under Source ID 101), of this permit; and Condition # 003, Section D (under Source ID 102), of this permit, shall not apply to a visible emission in either of the following instances:

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

**SECTION C. Site Level Requirements**

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

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that emission into the outdoor atmosphere of volatile organic compounds (VOC) from this facility occurs in such a manner that the rate of the emission does not exceed 24.9 tons/yr, calculated monthly as a 12-month rolling sum.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (NOx) from this facility occurs in such a manner that the rate of the emission does not exceed 24.9 tons/yr, calculated monthly as a twelve (12)-month rolling sum.

009 [25 Pa. Code §129.14]

Open burning operations

No person may permit the open burning of material except the following:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set solely for cooking food.
- (e) A fire set solely for recreational or ceremonial purposes.

Throughput Restriction(s).

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the amount of hot mix asphalt (HMA) produced at this facility does not exceed 630,000 tons/yr, calculated monthly as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source listed in Sections A and G, of this permit, may be in excess of the limitations specified in this permit or in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III or 40 C.F.R. Part 60, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.

012 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements.

SECTION C. Site Level Requirements

(b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) For this facility, the permittee shall monitor the following emissions on a monthly and 12-month rolling basis:

- (1) The total carbon monoxide (CO) emissions.
- (2) The total NO_x emissions.
- (3) The total particulate matter (PM) emissions.
- (4) The total sulfur oxides (SO_x, expressed as SO₂) emissions.
- (5) The total VOC emissions.

(b) The emissions indicated in (a)(1) - (5), above, shall include those from the portable stone crushing plant (Source ID 501), as reflective of the time that the portable stone crushing plant was located at this facility.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (1) Odors, which the Department may determine to be objectionable.
- (2) Visible emissions.
- (3) Fugitive particulate emissions.

(b) All detectable objectionable odors that originate on-site and cross the property line, as well as visible emissions and / or fugitive particulate emissions that originate on-site, shall:

- (1) Be investigated.
- (2) Be reported to the facility management, or individual(s) designated by the permittee.
- (3) Be recorded in a permanent written log.

(c) At the end of six (6) months, upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.

(d) After 6 months of weekly monitoring, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

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

IV. RECORDKEEPING REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) For this facility, the permittee shall maintain records of the following emissions on a monthly and 12-month rolling basis:

- (1) The total CO emissions.
- (2) The total NO_x emissions.

SECTION C. Site Level Requirements

(3) The total PM emissions.

(4) The total SO₂ emissions.

(5) The total VOC emissions.

(b) The emissions indicated in (a)(1) - (5), above, shall include those from the portable stone crushing plant (Source ID 501), as reflective of the time that the portable stone crushing plant was located at this facility.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The date, time, and location of the incident(s).

(b) The cause of the event.

(c) The corrective action taken, if necessary to abate the situation and prevent future occurrences.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The monitoring required in Condition # 014(a)(1) - (3), Section C, of this permit, shall be recorded and maintained in a format and time frame consistent with, and approved by, the Department.

019 [25 Pa. Code §135.5]

Recordkeeping

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with Condition # 022, Section C, of this permit, and 25 Pa. Code § 135.21 (relating to emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

V. REPORTING REQUIREMENTS.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The permittee shall, within two (2) hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction(s) of the sources or associated air pollution control devices listed in Sections A and G, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit or in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III or 40 C.F.R. Part 60.

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

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

(1) The malfunction(s).

SECTION C. Site Level Requirements

(2) The emission(s).

(3) The duration.

(4) Any corrective action taken.

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Within thirty (30) days after permit issuance, the permittee shall submit, to the Department for approval, the proposed recordkeeping formats required in this permit.

022 [25 Pa. Code §135.3]

Reporting

The permittee, who has been previously advised by the Department to submit a source report, shall submit by March 1, of each year, a source report for the preceding calendar year. The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

023 [25 Pa. Code §135.4]

Report format

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

VI. WORK PRACTICE REQUIREMENTS.

024 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

A person responsible for any source specified in Condition # 002, Section C, of this permit, 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, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces which may give rise to airborne dusts.

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

026 [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 Sections A and G, of this permit, is causing the emission of air contaminants in excess of the limitations specified in this permit or in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III or 40 C.F.R. Part 60.

SECTION C. Site Level Requirements

027 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall ensure that the sources and air pollution control devices listed in Sections A and G, of this permit, are operated and maintained in accordance with manufacturer's specifications as well as good air pollution control practices.

028 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Maintenance on the monitoring and recording equipment shall be performed in accordance with manufacturer's recommendations. All monitoring and recording equipment shall be calibrated on an annual basis.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

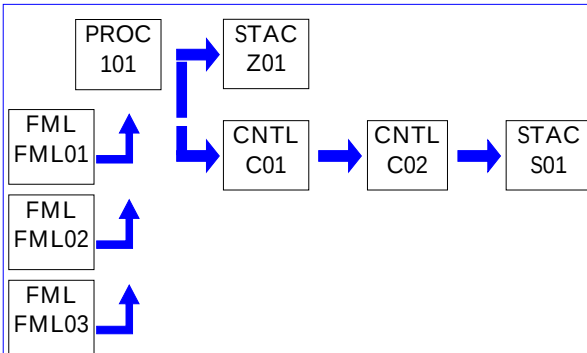
No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 101

Source Name: BARBER-GREENE BATCH ASPHALT PLANT (#1)

Source Capacity / Throughput:	514.00 Gal / HR	#2 Oil
	482.00 Gal / HR	#4 Oil
	350.00 Tons / HR	HOT MIX ASPHALT



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.21]

General

The permittee shall ensure that emission into the outdoor atmosphere of sulfur oxides from this batch asphalt plant occurs in such a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas does not exceed 500 ppmv, dry basis.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and §§ 127.1, 127.12, and 127.443.]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this batch asphalt plant occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.02 gr / dscf.

[Compliance with this streamlined permit condition assures compliance with 40 C.F.R. § 60.92 and 25 Pa. Code § 123.13.]

003 [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 Chapter 122 and § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this batch asphalt plant occurs in such a manner that the opacity of the emission does not exceed 20%.

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

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.22(e)(2).]

The permittee shall ensure that No. 2 and No. 4 fuel oils are the only fuels used in the operation of this batch asphalt plant. The sulfur content of the No. 2 and No. 4 fuel oils shall not, at any time, exceed 0.2% and 0.5% (by weight), respectively.

Throughput Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For this batch asphalt plant, the permittee shall ensure that the rate of HMA production does not exceed 275 tons / hr.

SECTION D. Source Level Requirements**II. TESTING REQUIREMENTS.**

006 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

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

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For the baghouse (Source ID C02) associated with this batch asphalt plant, the permittee shall monitor the pressure drop across the baghouse on a daily basis.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For this batch asphalt plant, the permittee shall monitor the following operating parameters on a daily basis:

(a) The hours of operation.

(b) The type(s) and amount(s) of fuel consumed.

(c) The HMA production.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For this batch asphalt plant, the permittee shall monitor the following emissions on a monthly and 12-month rolling basis:

(a) The total CO emissions.

(b) The total NOx emissions.

(c) The total PM emissions.

(d) The total SO₂ emissions.

(e) The total VOC emissions.

IV. RECORDKEEPING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

For the baghouse (Source ID C02) associated with this batch asphalt plant, the permittee shall maintain records of the pressure drop across the baghouse on a daily basis.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For this batch asphalt plant, the permittee shall maintain records of all preventative maintenance inspections for the cyclone (Source ID C01) and baghouse (Source ID C02) associated with the asphalt plant. These records shall contain, at a minimum, the following for each inspection:

SECTION D. Source Level Requirements

- (a) The date of the inspection.
- (b) Any problems or defects.
- (c) The corrective action taken.
- (d) Any routine maintenance performed.

012 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

For this batch asphalt plant, the permittee shall maintain records of the following operating parameters on a daily basis:

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

013 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

For this batch asphalt plant, the permittee shall maintain records of the following emissions on a monthly and 12-month rolling basis:

- (a) The total CO emissions.
- (b) The total NOx emissions.
- (c) The total PM emissions.
- (d) The total SO₂ emissions.
- (e) The total VOC emissions.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

014 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

For this batch asphalt plant, the permittee shall ensure that all PM emissions from the hot processes indicated in Condition # 019(a)(4) - (8) and (11), Section D (under Source ID 101), of this permit, are ducted to the cyclone (Source ID C01) and baghouse (Source ID C02) associated with the asphalt plant.

015 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

For the baghouse (Source ID C02) associated with this batch asphalt plant, the permittee shall operate and maintain a pressure gauge to indicate the pressure drop across the baghouse. The baghouse shall operate within the pressure drop range of 2 to 6 inches of water.

016 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

SECTION D. Source Level Requirements

For the baghouse (Source ID C02) associated with this batch asphalt plant, the permittee shall perform the following preventative maintenance in accordance with Condition # 011, Section D (under Source ID 101), of this permit:

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

017 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

For the cyclone (Source ID C01) associated with this batch asphalt plant, the permittee shall perform a visual check of the outside housing, for leaks and fugitive emissions, at least once per operating day in accordance with Condition # 011, Section D (under Source ID 101), of this permit.

018 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

For this batch asphalt plant, the permittee shall use the following factors to calculate the emissions indicated in Conditions # 008(a) - (e) and 013(a) - (e), Section D (under Source ID 101), of this permit:

Pollutant	lb / ton HMA	Source of Factor
CO	0.055	NAPA
NOx	0.050	Stack Test
PM	0.014	Stack Test
SO2	0.042	NAPA
VOC	0.009	Stack Test

Stack Test = Stack testing conducted on November 30 and December 1, 1999.

NAPA = Joint stack emissions study conducted between the National Asphalt Pavement Association and the EPA entitled "Special Report 166."

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) This source consists of a batch asphalt plant, Model No. BE-82, manufactured by Barber-Greene. The asphalt plant is rated at 350 tons/hr HMA production and 52,000 acfm exhaust gas flow, and is comprised of the following operations and equipment:

- (1) Material transport and handling.
- (2) Aggregate storage piles (common).
- (3) Cold aggregate feed bins (common) and conveyor.
- (4) A No. 2/ No. 4 fuel oil-fired rotary dryer, rated at 70 mmBtu/hr heat input.
- (5) A hot bucket elevator.
- (6) Hot screens and bins.

**SECTION D. Source Level Requirements**

(7) A weigh hopper.

(8) A mixer (pug mill).

(9) A RAP bin and conveyer.

(10) 30,000-gal liquid asphalt cement aboveground storage tanks (ASTs) (2), each with a No. 2 fuel oil-fired heater rated at <1 mmBtu/hr heat input.

(11) Truck loadout.

(b) Emissions from the hot processes indicated in (a)(4) - (8) and (11), above, including exhaust gases from the rotary dryer, are ducted to a cyclone (Source ID C01), Model No. BC, manufactured by BC and pulse jet baghouse (Source ID C02), Model No. BMPJ-P-45, manufactured by Herman Grant before exiting to the outdoor atmosphere.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This batch asphalt plant is subject to Subpart I of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copies shall be forwarded to:

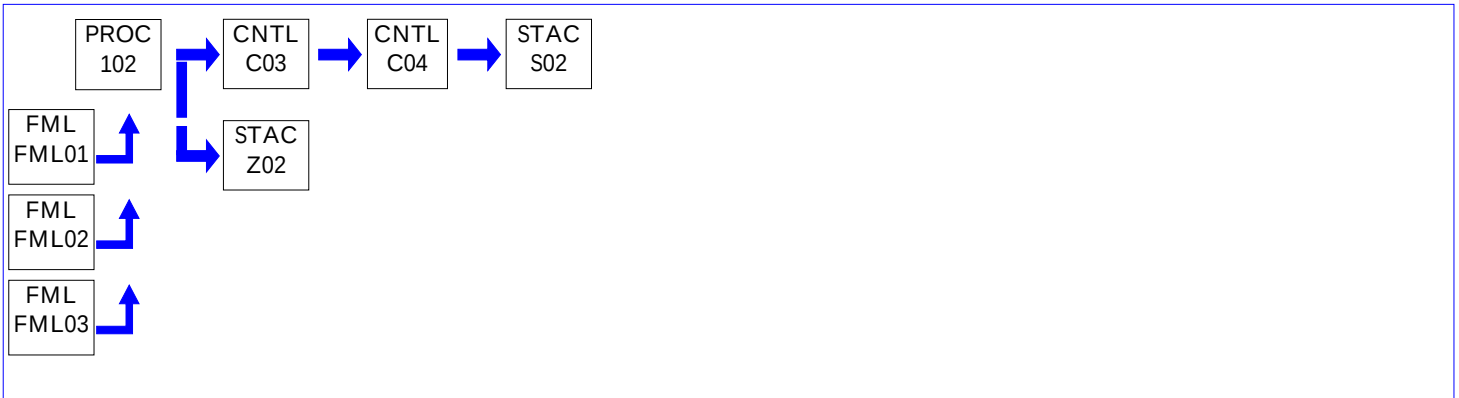
Director
Air Protection Division
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

SECTION D. Source Level Requirements

Source ID: 102

Source Name: MCCARTER BATCH ASPHALT PLANT (#2)

Source Capacity / Throughput:	507.00 Gal / HR	#2 Oil
	482.00 Gal / HR	#4 Oil
	250.00 Tons / HR	HOT MIX ASPHALT



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.21]

General

The permittee shall ensure that emission into the outdoor atmosphere of sulfur oxides from this batch asphalt plant occurs in such a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas does not exceed 500 ppmv, dry basis.

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 Chapter 122 and § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this batch asphalt plant occurs in such a manner that the opacity of the emission does not exceed 20%.

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

003 [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 Chapter 122 and § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this batch asphalt plant occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.04 gr / dscf.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.13.]

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.22(e)(2).]

The permittee shall ensure that No. 2 and No. 4 fuel oils are the only fuels used in the operation of this batch asphalt plant. The sulfur content of the No. 2 and No. 4 fuel oils shall not, at any time, exceed 0.2% and 0.5% (by weight), respectively.

Throughput Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

**SECTION D. Source Level Requirements**

For this batch asphalt plant, the permittee shall ensure that the rate of HMA production does not exceed 250 tons / hr.

II. TESTING REQUIREMENTS.

006 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

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

III. MONITORING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For the baghouse (Source ID C04) associated with this batch asphalt plant, the permittee shall monitor the pressure drop across the baghouse on a daily basis.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For this batch asphalt plant, the permittee shall monitor the following operating parameters on a daily basis:

(a) The hours of operation.

(b) The type(s) and amount(s) of fuel consumed.

(c) The HMA production.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For this batch asphalt plant, the permittee shall monitor the following emissions on a monthly and 12-month rolling basis:

(a) The total CO emissions.

(b) The total NOx emissions.

(c) The total PM emissions.

(d) The total SO2 emissions.

(e) The total VOC emissions.

IV. RECORDKEEPING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

For the baghouse (Source ID C04) associated with this batch asphalt plant, the permittee shall maintain records of the pressure drop across the baghouse on a daily basis.

**SECTION D. Source Level Requirements**

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For this batch asphalt plant, the permittee shall maintain records of all preventative maintenance inspections for the cyclone (Source ID C03) and baghouse (Source ID C04) associated with the asphalt plant. These records shall contain, at a minimum, the following for each inspection:

- (a) The date of the inspection.
- (b) Any problems or defects.
- (c) The corrective action taken.
- (d) Any routine maintenance performed.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For this batch asphalt plant, the permittee shall maintain records of the following operating parameters on a daily basis:

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

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For this batch asphalt plant, the permittee shall maintain records of the following emissions on a monthly and 12-month rolling basis:

- (a) The total CO emissions.
- (b) The total NOx emissions.
- (c) The total PM emissions.
- (d) The total SO2 emissions.
- (e) The total VOC emissions.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

For the baghouse (Source ID C04) associated with this batch asphalt plant, the permittee shall perform the following preventative maintenance in accordance with Condition # 011, Section D (under Source ID 102), of this permit:

- (a) A visual check of the condition of the outside piping and blowers, at least once per operating day.
- (b) Inspection and refurbishment of the bag blowdown mechanism, on a semi-monthly basis (when operated during that period).

SECTION D. Source Level Requirements

(c) Inspection of the blowers for general condition, unusual noises, and belt condition, on a monthly basis (when operated during that period).

(d) Inspection and repair of cages, and change of filter bags, on an annual basis, or as needed. A sufficient quantity of spare filter bags shall be kept on hand for replacement.

015 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

For the baghouse (Source ID C04) associated with this batch asphalt plant, the permittee shall operate and maintain a pressure gauge to indicate the pressure drop across the baghouse. The baghouse shall operate within the pressure drop range of 2 to 6 inches of water.

016 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

For the cyclone (Source ID C03) associated with this batch asphalt plant, the permittee shall perform a visual check of the outside housing, for leaks and fugitive emissions, at least once per operating day in accordance with Condition # 011, Section D (under Source ID 102), of this permit.

017 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

For this batch asphalt plant, the permittee shall ensure that all PM emissions from the hot processes indicated in Condition # 019(a)(4) - (8) and (10), Section D (under Source ID 102), of this permit, are ducted to the cyclone (Source ID C03) and baghouse (Source ID C04) associated with the batch asphalt plant.

018 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

For this batch asphalt plant, the permittee shall use the following factors to calculate the emissions indicated in Conditions # 008(a) - (e) and 013(a) - (e), Section D (under Source ID 102), of this permit:

Pollutant	lb / ton HMA	Source of Factor
CO	0.055	NAPA
NOx	0.052	Stack Test
PM	0.014	Stack Test
SO2	0.042	NAPA
VOC	0.009	Stack Test

Stack Test = Stack testing conducted on November 30 and December 1, 1999.

NAPA = Joint stack emissions study conducted between the National Asphalt Pavement Association and the EPA entitled "Special Report 166."

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) This source consists of a batch asphalt plant manufactured by McCarter Iron Works. The asphalt plant is rated at 250 tons / hr HMA production and 46,000 acfm exhaust gas flow, and is comprised of the following operations and equipment:

- (1) Material transport and handling.
- (2) Aggregate storage piles (common).
- (3) Cold aggregate feed bins (common) and conveyor.
- (4) A No. 2 / No. 4 fuel oil-fired rotary dryer, rated at 70 mmBtu / hr heat input.

SECTION D. Source Level Requirements

- (5) A hot bucket elevator.
- (6) Hot screens and bins.
- (7) A weigh hopper.
- (8) A mixer (pug mill).
- (9) A 30,000-gal liquid asphalt cement AST with a No. 2 fuel oil-fired heater rated at <1 mmBtu/hr heat input.
- (10) Truck loadout.

(b) Emissions from the hot processes indicated in (a)(4) - (8) and (10), above, including exhaust gases from the rotary dryer, are ducted to a cyclone (Source ID C03), Model No. 8891E-1, and pulse jet baghouse (Source ID C04), Model No. McC-540-S, both manufactured by McCarter Corporation, before exiting to the outdoor atmosphere.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This batch asphalt plant is subject to Subpart I of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

**SECTION D. Source Level Requirements**

Source ID: 501

Source Name: PORTABLE STONE CRUSHING PLANT

Source Capacity / Throughput:

155.00 Tons / HR

SEE CONDITION # 015

30.00 Gal / HR

Diesel Fuel

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

001 [25 Pa. Code §123.13]

Processes

Except as indicated in Condition # 003, Section D (under Source ID 501), of this permit, the permittee shall ensure that emission into the outdoor atmosphere of PM from any process of this portable stone crushing plant occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.04 gr / dscf.

002 [25 Pa. Code §123.41]

Limitations

Except as indicated in Condition # 004, Section D (under Source ID 501), of the permit, the permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from any process of this portable stone crushing plant occurs in such a manner that the opacity of the emission is neither of the following:

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

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**Standard for particulate matter.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of PM from any transfer point on the belt conveyors of this portable stone crushing plant occurs in such a manner that the concentration of PM in the effluent gas does not exceed 0.022 gr / dscf.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.13.]

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**Standard for particulate matter.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from any transfer point on the belt conveyors of this portable stone crushing plant occurs in such a manner that the opacity of the emission does not exceed 7% at any time.

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

005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants**Standard for particulate matter.**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and §§ 127.1 and 127.443.]



SECTION D. Source Level Requirements

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from the primary crusher of this portable stone crushing plant occurs in such a manner that the opacity of the emission does not exceed 15% at any time.

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

Fuel Restriction(s).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that diesel fuel is the only fuel used in the operation of this portable stone crushing plant.

Operation Hours Restriction(s).

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall ensure that the total operating time of this portable stone crushing plant does not exceed 689 hours in any consecutive 12-month period (at each facility). The diesel engine and diesel generator of the portable stone crushing plant shall each be equipped with a meter to track the hours of operation.

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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

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

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

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

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For both the diesel engine and diesel generator of this portable stone crushing plant, the permittee shall monitor the following operating parameters:

(a) The facility at which the portable stone crushing plant is located, on a daily basis.

(b) The date of operation, on a daily basis.

(c) The hours of operation, on a daily basis.

(d) The amount of fuel consumed, at a minimum, on a monthly basis, calculated using a Department-approved method. If the portable stone crushing plant does not remain at a facility for a whole month, then the amount of fuel consumed shall be determined for the amount of time the source is located at the facility.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

For this portable stone crushing plant, the permittee shall monitor the following emissions on a monthly and 12-month rolling basis:

(a) The total CO emissions.

SECTION D. Source Level Requirements

- (b) The total NOx emissions.
- (c) The total PM emissions.
- (d) The total SO2 emissions.
- (e) The total VOC emissions.

IV. RECORDKEEPING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

For both the diesel engine and diesel generator of this portable stone crushing plant, the permittee shall maintain records of the following operating parameters:

- (a) The facility at which the portable stone crushing plant is located, on a daily basis.
- (b) The date of operation, on a daily basis.
- (c) The hours of operation, on a daily basis.
- (d) The amount of fuel consumed, at a minimum, on a monthly basis, calculated using a Department-approved method. If the portable stone crushing plant does not remain at a facility for a whole month, then the amount of fuel consumed shall be determined for the amount of time the source is located at the facility.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

For this portable stone crushing plant, the permittee shall maintain records of the following emissions on a monthly and 12-month rolling basis:

- (a) The total CO emissions.
- (b) The total NOx emissions.
- (c) The total PM emissions.
- (d) The total SO2 emissions.
- (e) The total VOC emissions.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

For each shipment of diesel fuel received, the permittee shall maintain records of the fuel supplier's certification with this portable stone crushing plant.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain the records required in Condition # 012(a) - (c), Section D (under Source ID 501), of this permit, with both this portable stone crushing plant and at each facility, as reflective of the time that the portable stone crushing plant was located at each facility.

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

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

VI. WORK PRACTICE REQUIREMENTS.

015 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

The permittee shall ensure that the following are the only materials processed by this portable stone crushing plant:

- (a) Virgin aggregate.
- (b) Asbestos-free recycled aggregate.
- (c) Asbestos-free RAP.
- (d) Concrete.
- (e) Glass.
- (f) Other highway aggregate paving materials.
- (g) Any non-metallic minerals, as approved by the Department.

016 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

For this portable stone crushing plant, the permittee shall use the following factors (in units of lbs / hr) to calculate the emissions indicated in Conditions # 010(a) - (e) and 012(a) - (e), Section D (under Source ID 501), of this permit:

Pollutant	Diesel Engine	Diesel Generator	Primary Crusher and Screen
CO	3.01	1.12	
NOx	13.95	5.19	
PM	0.99	0.37	6.23
SO2	0.92	0.34	
VOC	1.13	0.42	

017 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.443 and 127.641.]

Before relocating this portable stone crushing plant to a different facility, the permittee shall notify the Department and the municipality where that facility is located.

018 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

The permittee shall ensure that the following materials are not processed by this portable stone crushing plant:

- (a) Coal.
- (b) Materials contaminated with any of the following:



SECTION D. Source Level Requirements

- (1) Waste oil.
- (2) Hazardous waste.
- (3) Asbestos.

019 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

The permittee shall ensure that dust from paved roads, including 250 feet of public highway on either side of the access road, is controlled through cleaning by a pressurized water truck or a vacuum road sweeper on a daily basis. Dust from unpaved roads shall be controlled through the use of water sprays or dust suppressants applied on a preventative basis.

020 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

The permittee shall ensure that all trucks loaded with crushed stone from this portable stone crushing plant use either a tarp or wetting solution to control PM emissions from the loads. If a wetting solution is used, the permittee shall provide an amount sufficient to control PM emissions from the loads while the trucks are on public access roads.

021 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

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

The permittee shall ensure that the water spray dust suppression system (Source ID C501) associated with this portable stone crushing plant is operated on any and all occasions that the respective processes of the portable stone crushing plant are operated, except in those unusual instances where conditions are such that operation of the respective processes of the portable stone crushing plant without the simultaneous operation of the water spray dust suppression system can occur without creating air contaminant emissions in excess of the limitations specified in this permit or in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III or 40 C.F.R. Part 60. If, however, the water spray dust suppression system is incapable of operation due to weather conditions or any other reason, the portable stone crushing plant may not be operated at all.

VII. ADDITIONAL REQUIREMENTS.

022 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

This source is a portable stone crushing plant comprised of the following equipment:

- (a) A primary feeder manufactured by Simplicity. The feeder is rated at 225 tons/hr.
- (b) A primary impact crusher, Model No. APSE 1013Q, manufactured by Hazemag. The primary crusher is rated at 155 tons/hr.
- (c) A 42" x 41' conveyer (#1) rated at 225 tons/hr.
- (d) A 5' x 12' screen manufactured by Simplicity. The screen is rated at 225 tons/hr.
- (e) An 18" x 31' conveyer (#2) rated at 225 tons/hr.
- (f) A 42" x 18' return conveyer (#3) rated at 30 tons/hr.
- (g) A stacker rated at 225 tons/hr.
- (h) A diesel fuel-fired engine, Model No. 3406, manufactured by Caterpillar. The engine is rated at 450 hp, and is used to operate the crusher.



SECTION D. Source Level Requirements

(i) A diesel fuel-fired generator, Model No. 3304, manufactured by Caterpillar. The generator is rated at 125 kW, and is used to operate the conveyors.

023 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this portable stone crushing plant in accordance with Plan Approval and Operating Permit No. AQ-SE-0001. The stone crushing plant may only be operated at the following facilities:

- (a) Catanach Asphalt Plant and Quarry
660 Morehall Road, Frazer, PA 19335
East Whiteland Township, Chester County
- (b) Freeborn Asphalt Plant
Eagle Road & Darby Creek, Springfield, PA 19064
Springfield Township, Delaware County
- (c) Ivy Rock Asphalt Plant
1200 Conshohocken Road, Conshohocken, PA 19428
Plymouth Township, Montgomery County
- (d) McCoy Quarry
Church & Flint Hill Roads, King of Prussia, PA 19406
Upper Merion Township, Montgomery County
- (e) Spring House Asphalt Plant
Route 309 & Hartman Road, Spring House, PA 19477
Montgomery Township, Montgomery County

024 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This portable stone crushing plant is subject to Subpart 000 of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of this Subpart. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. The EPA copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

025 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 127.207 and 127.443.]

(a) The permittee shall ensure that the following portable generators remain permanently shut down, in order to meet the Federal Enforceability Criteria for Emission Reduction Credits:

Manufacturer	Model No.	Serial No.	Facility
Cummins	NTA-855-P400	11619147	Ivy Rock
Caterpillar	3406 D1	900155517	Ivy Rock
Caterpillar	3408	6701204	Ivy Rock
Caterpillar	3412	38509932	Catanach

(b) On an annual basis, the permittee shall certify to the Department, in writing, the continuous shutdown of the portable generators. The letter shall include the identity of the above sources and be signed by a responsible official.



SECTION D. Source Level Requirements

(c) The portable generators may remain on site. The Department shall be notified prior to any dismantling or removal of the portable generators.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

Dep Id	Source Description			
101	BARBER-GREENE BATCH ASPHALT PLANT (#1)			
	Emission Limit			Pollutant
	0.020	gr / DRY FT3		P000
	500.000	PPMV	Dry Basis	SOX
102	MCCARTER BATCH ASPHALT PLANT (#2)			
	Emission Limit			Pollutant
	0.040	gr / DRY FT3		P000
	500.000	PPMV	Dry Basis	SOX
501	PORTABLE STONE CRUSHING PLANT			
	Emission Limit			Pollutant
	0.022	gr / DRY FT3	Any Transfer Point on the Belt Conveyors	P000
	0.040	gr / DRY FT3	All Other Processes	P000

Site Emission Restriction Summary

Emission Limit		Pollutant
24.900 Tons / Yr	12-Month Rolling Sum, Calculated Monthly	NOX
24.900 Tons / Yr	12-Month Rolling Sum, Calculated Monthly	VOC

**SECTION G. Miscellaneous.**

(a) The following previously issued documents serve as the basis for certain terms and conditions set forth in this permit:

- (1) RACT Operating Permit No. OP-46-0043.
- (2) Plan Approval No. PA-46-0043.
- (3) Plan Approval & Operating Permit No. AQ-SE-0001.

(b) The following sources have been determined by the Department to be insignificant sources of air emissions, and therefore do not require additional limitations, monitoring, or recordkeeping. They are still subject to any applicable Federal, State, and Local Regulations that may apply, including the Site Level Requirements (Section C) of this permit.

- (1) 8,000-gal No. 2 fuel oil AST's (3) (Source ID FML01).
- (2) 14,500-gal No. 4 fuel oil AST (Source ID FML02).
- (3) 30,000-gal No. 4 fuel oil AST (Source ID FML03).



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