COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date:	February 13, 2024	Effective Date:	November 4, 2026
Revision Date:	November 4, 2026	Expiration Date:	February 14, 2029
Revision Type:	Amendment		

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

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

State Only Permit No: 15-00054
Synthetic Minor
Federal Tax Id - Plant Code: 24-0649400-37

Owner Information

Name: HEIDELBERG MATERIALS NORTHEAST LLC
Mailing Address: 1777 SENTRY PKWY W BLDG 17 SUITE 405
BLUE BELL, PA 19422-2207

Plant Information

Plant: HEIDELBERG MATERIALS FRAZER ASPHALT PLT
Location: 15 Chester County 15925 East Whiteland Township
SIC Code: 2951 Manufacturing - Asphalt Paving Mixtures And Blocks

Responsible Official

Name: MIKE SULLIVAN
Title: VICE PRES/GENERAL MGR
Phone: (570) 807 - 6137 Email: mike.sullivan@heidelbergmaterials.com

Permit Contact Person

Name: HEATH BROWN
Title: ENVIRONMENTAL MANAGER
Phone: (610) 729 - 1360 Email: heath.brown@heidelbergmaterials.com

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

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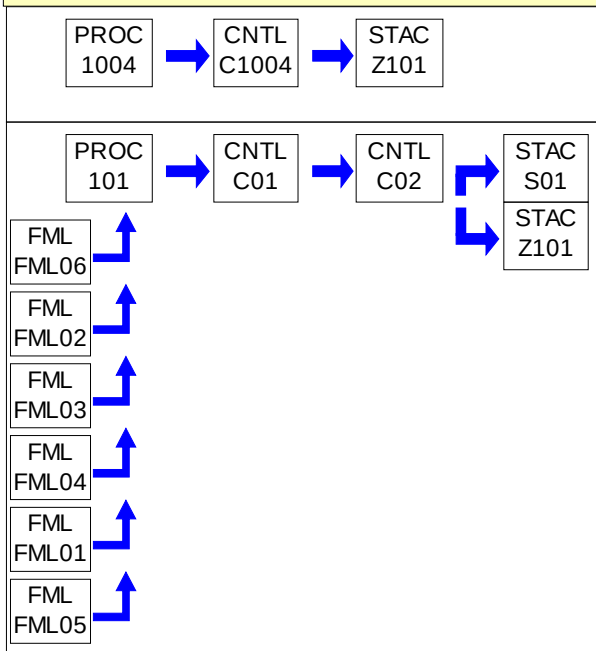
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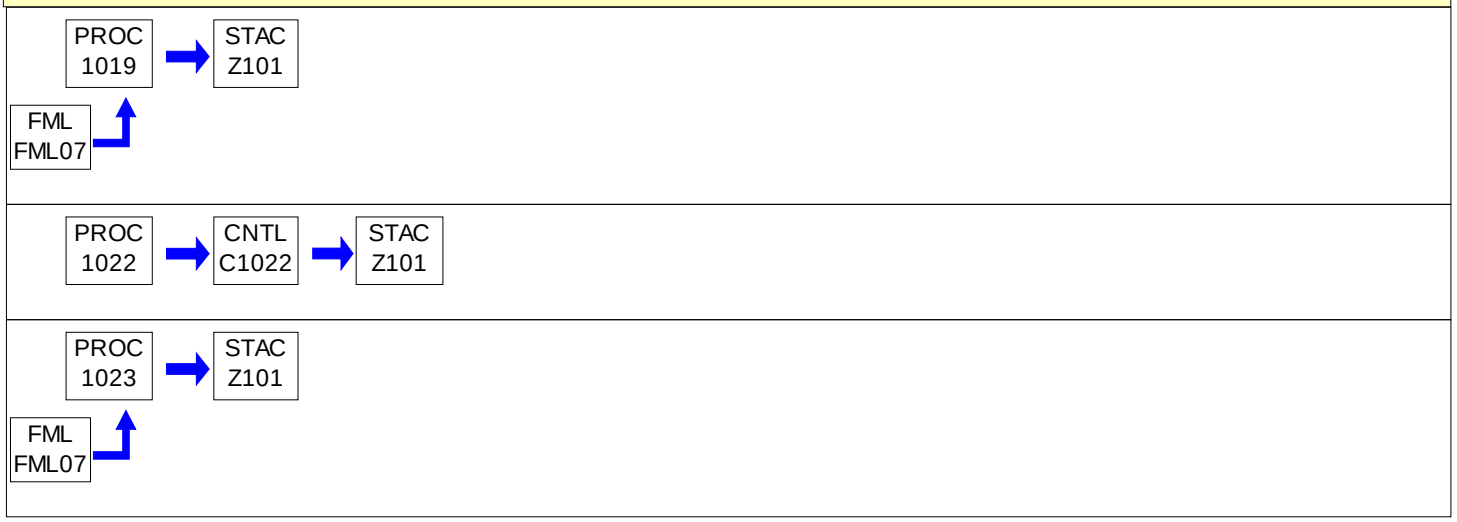
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput		Fuel/Material
1004	PORTABLE CRUSHER (P3)	350.000	Tons/HR	
101	HOT MIX ASPHALT BATCH PLANT	360.000	Tons/HR	ASPHALT
1019	SCANIA 494 HP ENGINE FOR PORTABLE CRUSHER 1004 (P3)		N/A	Diesel Fuel
1022	PORTABLE CRUSHER (P1)	350.000	Tons/HR	
1023	SCANIA ENGINE FOR PORTABLE CRUSHER 1022 (P1)		N/A	Diesel Fuel
C01	KNOCKOUT BOX-INERTIAL COLLECTOR			
C02	BAGHOUSE - FABRIC FILTER		N/A	
C1004	WET SUPPRESSION FOR PORTABLE CRUSHER 1004			
C1022	WET SUPPRESSION FOR PORTABLE CRUSHER 1022 (P1)			
FML01	NATURAL GAS			
FML02	NO. 2 FUEL OIL			
FML03	NO. 4 FUEL OIL			
FML04	NO. 5 FUEL OIL			
FML05	PROPANE			
FML06	"ON SPECIFICATION" WASTE DERIVED LIQUID FUEL (WDLF)			
FML07	DIESEL FUEL			
S01	STACK TO HOT MIX ASPHALT			
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PERMIT MAPS



PERMIT MAPS


PROC
1019
STAC
Z101
FML
FML07
PROC
1022
CNTL
C1022
STAC
Z101
PROC
1023
STAC
Z101
FML
FML07

SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

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

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

(a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

Permit Renewal.

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

(c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter F.

(a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.

(1) For a synthetic minor facility, a fee equal to:

(i) Four thousand dollars ($4,000) for calendar years 2021—2025.

(ii) Five thousand dollars ($5,000) for calendar years 2026—2030.

(iii) Six thousand three hundred dollars ($6,300) for the calendar years beginning with 2031.

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

SECTION B. General State Only Requirements

(i) Two thousand dollars ($2,000) for calendar years 2021—2025.

(ii) Two thousand five hundred dollars ($2,500) for calendar years 2026—2030.

(iii) Three thousand one hundred dollars ($3,100) for the calendar years beginning with 2031.

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

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

Transfer of Operating Permits.

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

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

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

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

Inspection and Entry.

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

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

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

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

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

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

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

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

Compliance Requirements.

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

(1) Enforcement action

SECTION B. General State Only Requirements

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

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

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

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

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

(1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.

(2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

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

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]

Operating Permit Modifications

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

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

SECTION B. General State Only Requirements

precluded by the Clean Air Act or its regulations.

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

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

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

#012 [25 Pa. Code § 127.441]

Severability Clause.

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

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

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

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

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

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

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

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

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

SECTION B. General State Only Requirements

(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)

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

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

SECTION B. General State Only Requirements

#015 [25 Pa. Code § 127.11a]

Reactivation of Sources

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

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

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

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

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

#017 [25 Pa. Code § 121.9]

Circumvention.

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

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

Reporting Requirements.

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

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

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

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

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

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

SECTION B. General State Only Requirements

#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.

#023 [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. §§ 4001-4015).

SECTION B. General State Only Requirements

#024 [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.

#025 [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 § 129.14.

(7) N/A

(8) N/A

(9) Sources and classes of sources other than those identified in (1)-(8) of this condition, 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) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

 # 004 [25 Pa. Code §123.31]

Limitations

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

 # 005 [25 Pa. Code §123.41]

Limitations

(a) The following opacity limitations apply to all sources at the facility, unless there is a more stringent limitation applicable to a specific source:

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

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

(2) 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 any of the following instances:

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

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit total facility-wide emissions as follows:

(a) NOx emissions less than 25 tons per year, based on a 12-month rolling sum.
(b) PM emissions less than 100 tons per year, based on a 12-month rolling sum.

 # 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:

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

II. TESTING REQUIREMENTS.

 # 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 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, the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.

 # 010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

SECTION C. Site Level Requirements

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(1) Odors which may be objectionable (as per 25 Pa. Code §123.31);
(2) Visible emissions (as per 25 Pa. Code §§123.41 and 123.42).; and
(3) Fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

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

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

IV. RECORDKEEPING REQUIREMENTS.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of facility-wide NOx emissions and facility-wide PM emissions on a monthly basis, including 12-month rolling sums.

 # 014 [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.

V. REPORTING REQUIREMENTS.

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner

SECTION C. Site Level Requirements

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.

 # 016 [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

SECTION C. Site Level Requirements

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.

 # 017 [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.
(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.

 # 018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

 # 019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall immediately, upon discovery, implement measures which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in this 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.

 # 020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

VII. ADDITIONAL REQUIREMENTS.

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

SECTION C. Site Level 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).

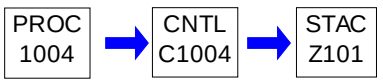
IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 1004 Source Name: PORTABLE CRUSHER (P3)

Source Capacity/Throughput: 350.000 Tons/HR



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Monitoring of operations.

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

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

[Pursuant to 40 CFR § 60.674(b).]

IV. RECORDKEEPING REQUIREMENTS.

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

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Reporting and recordkeeping.

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

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

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

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

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In advance of each change in location without any modification of the portable nonmetallic mineral processing plant the permittee shall notify both the Department and the municipality where the operation will take place. The advance notification will include an estimated date of startup at the new location.

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Reporting and recordkeeping.

SECTION D. Source Level Requirements

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

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

[Pursuant to 40 CFR § 60.676(f).]

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

(b) The permittee shall comply with the following:

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

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

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

SECTION D. Source Level Requirements

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

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

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

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

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

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Monitoring of operations.

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

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

[Pursuant to 40 CFR § 60.674(b).]

VII. ADDITIONAL REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall comply with all conditions of 40 CFR Part 60 Subpart OOO where applicable.

Whenever a conflict occurs with any of the regulations listed below the permittee shall, in all cases, meet the more stringent requirement:

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

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

Source ID 1019 Scania Engine supports this Portable Crusher.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

SECTION D. Source Level Requirements

1650 Arch Street
Philadelphia, PA 19103-2029

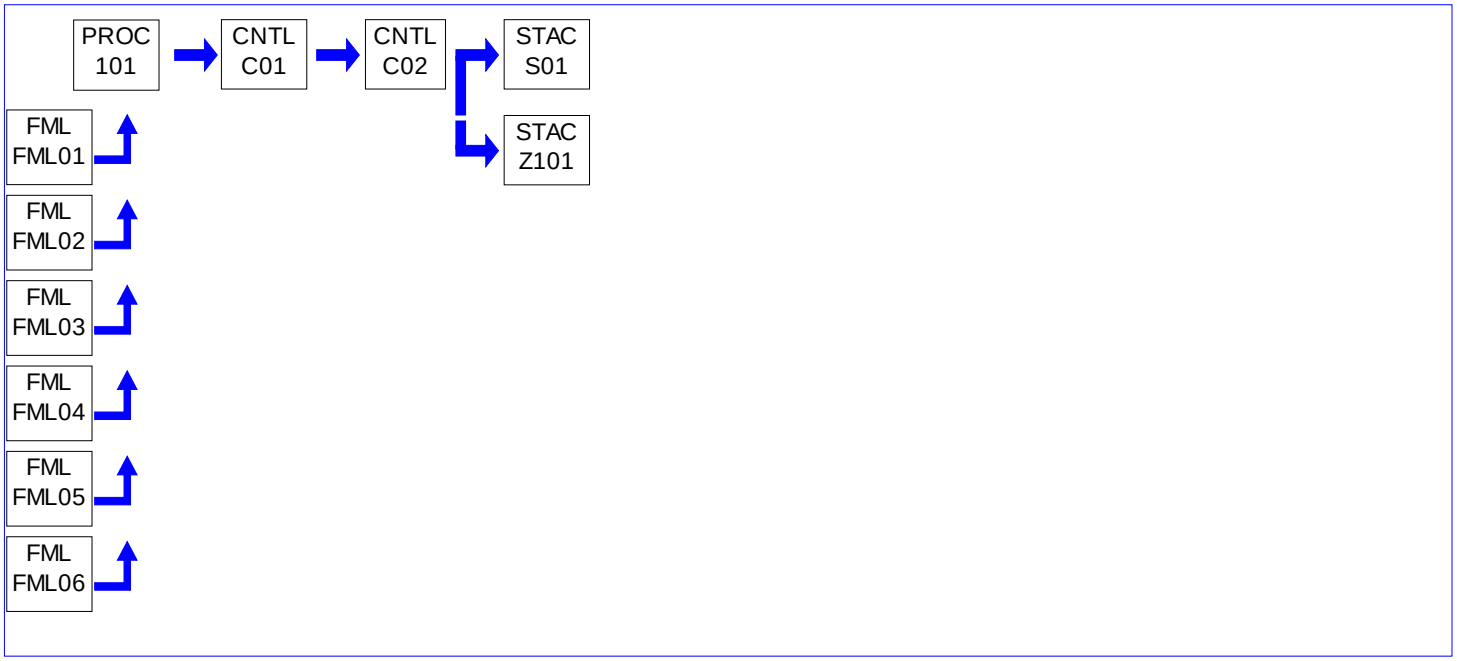
Region III electronic compliance certifications may be sent to: R3_APD_Permits@epa.gov.

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

SECTION D. Source Level Requirements

Source ID: 101 Source Name: HOT MIX ASPHALT BATCH PLANT

Source Capacity/Throughput: 360.000 Tons/HR ASPHALT



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

No person may permit the emission into the outdoor atmosphere of particulate matter from the baghouse at any time, in excess of 0.02 gr/dscf.

[Note: Compliance with this condition assures compliance with the 0.04 gr/dscf particulate matter limit in 40 CFR Section 60.92(a)(1) and 25 Pa. Code Section 123.13.]

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall not exceed the following emission limits for the batch asphalt plant, when firing Natural Gas or Propane:

Emissions	Short-term Limits, monthly basis, lb/hr	Annual Limits, 12-month rolling basis, tons/yr
NOx	5.20	3.08
VOC	4.92	2.81
Filterable PM	3.97	2.09
Total PM	4.45	2.35
SO2	1.57	1.15
CO	24.48	13.67

(b) The permittee shall not exceed the following emission limits for the batch asphalt plant, when firing No. 2 fuel oil, No. 4 fuel oil, No. 5 fuel oil or "On Specification" Waste Derived Liquid Fuel (WDLF):

Emissions	Short-term Limits	Annual Limits

SECTION D. Source Level Requirements

	monthly basis, lb/hr	12-month rolling basis, ton/yr
NOx	20.33	13.15
VOC	5.87	2.94
Filterable PM	7.96	6.25
Total PM	13.37	10.50
SO2	0.25	0.13
CO	31.87	20.68

[Compliance with the short-term limits for SO2 assures compliance with 25 Pa. Code Section 123.21.]

 # 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 § 122]

The permittee shall not discharge or cause the discharge into the atmosphere from the facility any gases which exhibit 20 percent opacity, or greater.

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

Fuel Restriction(s).

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall be limited to the following types of fuel to be fired in the dryer burner.

(1) "On Specification" Waste Derived Liquid Fuel (WDLF)
(2) No.2 fuel oil not exceeding 0.5 percent sulfur by weight
(3) No.4 fuel oil not exceeding 1.0 percent sulfur by weight
(4) No. 5 fuel oil not exceeding 1.0 percent sulfur by weight
(5) Propane
(6) Natural Gas

(b) The "On Specification" WDLF may not exceed the following levels and must be analyzed for when any shipment is received using the following analytical techniques or any other methods approved by the Department.

(1) Arsenic, <5 ppm by weight, EPA Method 6010, 6020, 7010, or 7062
(2) Cadmium, <2 ppm by weight, EPA Method 6010, 6020, 7000 or 7010
(3) Chromium, <10 ppm by weight, EPA Method 6010,7000 or 7010
(4) Lead, <100 ppm by weight, EPA Method 6010,7000 or 7010
(5) Total Halides(TX), <1,000 ppm by weight, EPA Method 9075, 9076, or 9077
(6) PCB, <10 ppm by weight, EPA Method 8082
(7) Sulfur, <0.5 percent, ASTM D3227, D1552, D4294 or D129

(c) "On Specification" WDLF shall be heated in a pre-heater prior to being fired in the dryer burner.

Throughput Restriction(s).

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the throughput of asphalt to not more than 500,000 ton/yr on a 12-month rolling basis.

SECTION D. Source Level Requirements

II. TESTING REQUIREMENTS.

 # 006 [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 (all that apply)

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

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

SECTION D. Source Level Requirements

(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".

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

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 (see Condition #006) 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 NOx, CO, VOCs, filterable and condensable particulate matter. In addition, when testing is performed while firing No. 5 Fuel Oil, testing shall be performed on SO2 as well. Tests shall be conducted in accordance with the provisions of the following EPA Methods or other Department approved methodology and 25 Pa. Code Chapter 139.

(1) 40 CFR 60, Appendix A, Methods 1-4 shall be used to determine the volumetric flow rate of the effluent exiting the fabric collector (baghouse).

(2) 40 CFR 60, Appendix A, Method 5 shall be used to determine the filterable particulate emission concentration (grains/dscf) and emission rate (lbs/hour) in the effluent exiting the fabric collector (baghouse).

(3) 40 CFR 60, Appendix A, Method 7E shall be used to determine the nitrogen oxides (NOx) concentration (ppmvd) and emission rate (lbs/hour) in the effluent exiting the fabric collector (baghouse).

(4) 40 CFR 60, Appendix A, Method 10 shall be used to determine the carbon monoxide (CO) concentration (ppmvd) and emission rate (lbs/hour) in the effluent exiting the fabric collector (baghouse).

(5) 40 CFR 60, Appendix A, Method 18 or an alternate method approved by the Department, shall be used to determine the methane/ethane concentration (ppmvd) and emission rate (lbs/hour) in the effluent exiting the fabric collector (baghouse).

(6) 40 CFR 60, Appendix A, Method 25A shall be used to determine the total hydrocarbon (THC) concentration (ppmvd as propane) and emission rate (lbs/hour) in the effluent exiting the fabric collector (baghouse). The VOC concentration and emission rate shall be determined by subtracting the Method 18 (methane/ethane) results from the Method 25A results.

(7) 40 CFR 60, Appendix A, Method 202 shall be used to determine the condensable particulate matter (CPM) concentration (grains/dscf) and emission rate (lbs/hour) in the effluent exiting the fabric collector (baghouse). The Method 5 and Method 202 results shall be summed to calculate the total PM concentration and emission rate.

(8) 40 CFR Part 60, Appendix A, Method 6C shall be used to determine the sulfur dioxide (SO2) concentration (ppmdv)

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and emission rate (lb/hour) in the effluent exiting the fabic collector (baghouse).

(d) The testing shall be performed while the source is operating at a maximum routine operating condition rate and while producing a typical mix formulation. The most commonly used fraction of reconstituted asphalt pavement (RAP)(whether 0%, 10%, 15%, etc. per weight of asphalt produced) in the most recent 12-month rolling period shall be used, weather permitting.

The following process data shall be recorded at 15-minute intervals (if possible) during each test run to document the operation of the plant and the baghouse:

1) Type of Fuel
2) Fuel Usage (gpm for liquids; cfm for gases);
3) Asphalt Production Rate (tons/hr);
4) Aggregate Usage (tons/hr);
5) Asphaltic Oil (%);
6) Fines in mix (% <600 mesh); and
7) Mix Temperature (°F)
8) RAP (reclaimed asphalt pavement) Usage (tons/hr)
9) Drum temperature, °F
10) Baghouse pressure drop, in. w.c.

(e) The source test shall be conducted while using the fuel most often used in the 12-month rolling period before the test. If the permittee should ever use an alternate fuel in the batch asphalt plant burner for 30 or more cumulative days within any 12-month rolling period, the permittee shall then also perform source testing on the batch asphalt plant using the alternate fuel. The timing of testing with both fuels shall conform to paragraph (a).

No. 5 fuel oil may be used to represent any of the following fuels: No.2 Fuel Oil, No. 4 Fuel Oil, No. 5 Fuel Oil, “On Specification” WDLF or mixture thereof.

The Department reserves the right to specify the fuel (s) used during testing, based on usage during the life of the permit.

(f) At least thirty (30) days prior to the test, the Regional Air Quality Manager and the Department's Central Office shall be notified, in writing, of the date and time of the testing (see Condition #006). This notification shall not be made without prior receipt of a protocol acceptance letter from the Department. The Department is under no obligation to accept the results of any testing performed without adequate advance written notice to the Department of such testing. In addition, the emissions testing shall not commence prior to receipt of a protocol acceptance letter from the Department.

(g) Within sixty (60) days after the source test(s), the complete report, including all operating conditions, shall be submitted to the Regional Air Quality Manager and the Department's Central Office (see Condition #006) for approval.

(h) 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.

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

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

(b) The testing requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier,

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showing the maximum percent in the fuel, is obtained each time a fuel oil delivery is made.

 # 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.93]

Subpart I - Standards of Performance for Hot Mix Asphalt Facilities

Test methods and procedures.

[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:

(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.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall continuously monitor the following when the asphalt plant is in operation:

(a) the pressure drop, from the baghouse,
(b) the amount of asphalt produced,
(c) the amount and type of fuel consumed,
(d) the amount of RAP used

IV. RECORDKEEPING REQUIREMENTS.

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(1) The permittee shall record the following on a daily basis when the asphalt plant is in operation:

(a) the pressure drop, from the baghouse,
(b) the total amount of asphalt produced,
(c) and the total amount and type of fuel consumed
(d) the amount of RAP used.

(2) the amount of asphalt produced and the amount and type of fuel used shall also be recorded on a 12-month rolling basis.

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calculate and record the NOx, VOC, filterable PM, Total PM, SO2 and CO emissions monthly and on a 12-month rolling sum using the emission rates listed in this condition in lb/ton asphalt produced. If stack test data are unvailable, the emission factors from the most recent AP-42 compilation shall be used. When firing natural gas or propane, stack test factors for natural gas shall be used and when firing No. 2, 4, or 5 fuel oil, or WDLF, stack test factors for No. 5 fuel oil shall be used.

(a) Emission factors for propane and natural gas are:

Pollutant	lb/ton	Reference
NOx	0.012	8/09/2022 stack test
VOC	0.011	8/09/2022 stack test
Filterable PM	0.0084	8/09/2022 stack test
Total PM	0.0094	8/09/2022 stack test

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SO2	0.0046	AP-42 Table 11.1-5, March 2004
CO	0.055	8/09/2022 stack test

(b) Emission factors for No.2, 4, 5 fuel oils and WDLF are:

Pollutant	lb/ton	Reference
NOx	0.0528	11/10/2010 stack test
VOC	0.0121	11/10/2010 stack test
Filterable PM	0.025	AP-42 Table 11.1-1, March 2004
Total PM	0.042	AP-42 Table 11.1-1, March 2004
SO2	0.00052	11/10/2010 stack test
CO	0.0831	11/10/2010 stack test

The emission factors above shall only be updated if changes are warranted or upon revision of AP-42 for Hot Mix Batch Asphalt Plants.

 # 013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records shall be maintained on site for a period of five years and be readily accessible to the Department when requested.

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.

 # 014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall operate and maintain the baghouse pressure drop monitor in operable condition.

(b) The baghouse pressure drop range shall be maintained between 2.0 to 4.0 inches w.g.

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

 # 015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep a sufficient quantity of spare baghouse bags, at a minimum of 10% of the total number of bags, on hand for immediate replacement.

 # 016 [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) The use of any roadways and/or any material stockpiling operations for this source shall not result in emission of fugitive particulate matter in excess of the limitations specified in 25 Pa. Code §123.2.

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

 # 017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall have meters on all fuel lines to indicate the consumption rates of fuel.

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 # 018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain this source and the associated emission control devices in accordance with manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

 # 019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The following operation and equipment are included in this source:

(a) loading
(b) transfer and storage systems
(c) mixer
(d) weight hopper
(e) WDLF Pre-heater
(f) dryer burner
(g) knockout box
(h) a baghouse
(i) reconstituted asphalt pavement (RAP) addition system

SECTION D. Source Level Requirements

Source ID: 1019 Source Name: SCANIA 494 HP ENGINE FOR PORTABLE CRUSHER 1004 (P3)

Source Capacity/Throughput: N/A Diesel Fuel



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this emission limit is demonstrated through the use of proper fuel as allowed herein combined with good combustion practices and operating the engine in accordance with manufacturer recommendations.]

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

(a) PM: 0.02 g/kW-hr
(b) NOx: 0.40 g/kW-hr
(c) NMHC: 0.19 g/kW-hr
(d) CO: 3.5 g/kW-hr

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

Fuel Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

II. TESTING REQUIREMENTS.

 # 004 [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

SECTION D. Source Level Requirements

the procedures and equipment specified in 25 Pa. Code § 139.4(10) or (21)(relating to references).

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

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

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

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

III. MONITORING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

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

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records on site to demonstrate compliance that this engine is USEPA Tier 4 certified (i.e. certificate of conformity or USEPA or USEPA Tier certification, etc.) and in compliance with the emission standards as required by 40 CFR § 1039.101.

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.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The heading “Imported Engine Information”;
(b) The full corporate name and trademark of the manufacturer;
(c) EPA standardized engine family designation;
(d) Engine displacement;

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(e) Advertised power;
(f) Engine tune-up specifications and adjustments;
(g) Fuel requirements;
(h) Date of manufacture (month and year);
(i) Unique engine identification number.

[Pursuant to 40 CFR § 89.110.]

VII. ADDITIONAL REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This engine is manufactured by Scania, Model # DC13 with a power rating of 494 BHP. The engine supports Source ID 1004 Portable Crusher P3.

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Source ID: 1022 Source Name: PORTABLE CRUSHER (P1)

Source Capacity/Throughput: 350.000 Tons/HR



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

 # 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.674]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Monitoring of operations.

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

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

[Pursuant to 40 CFR § 60.674(b)]

IV. RECORDKEEPING REQUIREMENTS.

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

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Reporting and recordkeeping.

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

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

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

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

V. REPORTING REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

In advance of each change in location without any modification of the portable nonmetallic mineral processing plant the permittee shall notify both the Department and the municipality where the operation will take place. The advance notification will include an estimated date of startup at the new location.

 # 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Reporting and recordkeeping.

SECTION D. Source Level Requirements

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

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

[Pursuant to 40 CFR § 60.676(f)]

VI. WORK PRACTICE REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

(b) The permittee shall comply with the following.

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

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

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

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

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

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

(6) The permittee shall operate and maintain the portable nonmetallic mineral processing plant in a manner consistent

SECTION D. Source Level Requirements

with good air pollution control practices and in accordance with manufacturer's specifications.

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants

Monitoring of operations.

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

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

[Pursuant to 40 CFR § 60.674(b)]

VII. ADDITIONAL REQUIREMENTS.

 # 010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

 # 011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(1) One Kleenman Mobirex Crusher
(2) Two vibratory screens
(3) Five conveyor belts
(4) Wet suppression system

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

 # 012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

Associate Director
Office of Air Enforcement and Compliance Assistance (3AP20)
Air Protection Division

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USEPA, Region III
1650 Arch Street
Philadelphia, PA 19103-2029

Region III electronic compliance certifications may be sent to: R3_APD_Permits@epa.gov.

SECTION D. Source Level Requirements

Source ID: 1023 Source Name: SCANIA ENGINE FOR PORTABLE CRUSHER 1022 (P1)

Source Capacity/Throughput: N/A Diesel Fuel



I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

[Compliance with this emission limit is demonstrated through the use of proper fuel as allowed herein combined with good combustion practices and operating the engine in accordance with manufacturer recommendations.]

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

(a) PM: 0.02 g/kW-hr
(b) NOx: 0.40 g/kW-hr
(c) NMHC: 0.19 g/kW-hr
(d) CO: 3.5 g/kW-hr

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

Fuel Restriction(s).

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

II. TESTING REQUIREMENTS.

 # 004 [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

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employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references).

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

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

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

III. MONITORING REQUIREMENTS.

 # 005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

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

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

 # 007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records on site to demonstrate compliance that this engine is USEPA Tier 4 certified (i.e. certificate of conformity or USEPA or USEPA Tier certification, etc.) and in compliance with the emission standards as required by 40 CFR § 1039.101.

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.

 # 008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(a) The heading “Imported Engine Information”;
(b) The full corporate name and trademark of the manufacturer;
(c) EPA standardized engine family designation;
(d) Engine displacement;
(e) Advertised power;
(f) Engine tune-up specifications and adjustments;
(g) Fuel requirements;

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(h) Date of manufacture (month and year);
(i) Unique engine identification number.

[Pursuant to 40 CFR § 89.110.]

VII. ADDITIONAL REQUIREMENTS.

 # 009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This engine is manufactured by Scania, Model # DC13 with a power rating of 494 BHP. The engine supports Source ID 1022 Portable Crusher P1.

SECTION D. Source Level Requirements

Source ID: C02 Source Name: BAGHOUSE - FABRIC FILTER

Source Capacity/Throughput: N/A

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

 # 001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

If at any time, there is a failure in the baghouse the permittee shall record the following.

(1) Time and type of failure
(2) Time of repair and types of repairs made
(3) Uncontrolled emissions resulting from dust collector failure

 # 002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

After conducting the monthly inspection on the baghouse, the permittee shall record the following.

(1) Date of inspection
(2) Name of employee(s) conducting the inspection.
(3) Results of the inspection
(4) Any corrective action taken based on the results of the inspection

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

 # 003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall perform a monthly inspection on the baghouse. If there is no production during a one month period, no inspection will be required for that month. The inspections shall include, but are not limited to the following items.

(1) Bags
(2) Bag supports
(3) Hopper
(4) Bag cages
(5) Valves used for compressed air
(6) Integrity of the baghouse structure (no holes in the structure which will allow ambient air to flow into the baghouse)
(7) The floor of the clean side of the baghouse

SECTION D. Source Level Requirements

(8) Black light testing

VII. ADDITIONAL REQUIREMENTS.

 # 004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This baghouse includes a 3-foot collar, or extension. The purpose of the collar is to reduce the amount of particulates that are less than 75 microns from being returned back to the asphalt mix.

SECTION E. Source Group Restrictions.

SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION G. Emission Restriction Summary.

Source Id	Source Description
101	HOT MIX ASPHALT BATCH PLANT

Emission Limit			Pollutant
13.670	Tons/Yr	When firing natural gas or propane	CO
20.680	Tons/Yr	When firing other than natural gas or propane	CO
24.480	Lbs/Hr	When firing natural gas or propane	CO
31.870	Lbs/Hr	When firing other than natural gas or propane	CO
3.080	Tons/Yr	When firing natural gas or propane	NOX
5.200	Lbs/Hr	When firing natiral gas or propane	NOX
13.150	Tons/Yr	When firing other than natural gas or propane	NOX
20.330	Lbs/Hr	When firing other than natural gas or propane	NOX
2.090	Tons/Yr	When firing natural gas or propane	PM10
3.970	Lbs/Hr	When firing natural gas or propane	PM10
6.250	Tons/Yr	When firing other than natural gas or propane	PM10
7.960	Lbs/Hr	When firing other than natural gas or propane	PM10
0.130	Tons/Yr	When firing other than natural gas or propane	SO2
0.250	Lbs/Hr	When fiing other than natural gas or propane	SO2
1.150	Tons/Yr	When firing natural gas or propane	SO2
1.570	Lbs/Hr	When firing natural gas or propane	SO2
2.350	Tons/Yr	When firing natural gas or propane	TSP
4.450	Lbs/Hr	When firing natural gas or propane	TSP
10.500	Tons/Yr	When firing other than natural gas or propane	TSP
13.370	Lbs/Hr	When firing other than natural gas or propane	TSP
2.810	Tons/Yr	When firing natural gas or propane	VOC
2.940	Tons/Yr	When firing other than natural gas or propane	VOC
4.920	Lbs/Hr	When firing natural gas or propane	VOC
5.870	Lbs/Hr	When firing other than natural gas or propane	VOC

1019	SCANIA 494 HP ENGINE FOR PORTABLE CRUSHER 1004 (P3)

Emission Limit		Pollutant
3.500	GRAMS/KW-Hr	CO
0.190	GRAMS/KW-Hr	NMHC
0.400	GRAMS/KW-Hr	NOX
0.040	gr/DRY FT3	PM10

1023	SCANIA ENGINE FOR PORTABLE CRUSHER 1022 (P1)

Emission Limit		Pollutant
3.500	GRAMS/KW-Hr	CO
0.190	GRAMS/KW-Hr	NMHC
0.400	GRAMS/KW-Hr	NOX
0.040	gr/DRY FT3	PM10

Site Emission Restriction Summary

Emission Limit			Pollutant
24.900	Tons/Yr	based on a 12-month rolling sum	NOX
99.900	Tons/Yr	based on a 12-month rolling sum	PM10

SECTION G. Emission Restriction Summary.

SECTION H. Miscellaneous.

(1) Certain terms and conditions of this permit are based on the previous operating permits, permit number 15-303-014 and PA-15-0054A.

(2) 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. They are still subject to any applicable Federal, State, and Local Regulations that may apply, including Site Level Requirements of this State Only Operating Permit.

(a) 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.

(b) Asphalt Cement Heater - 0.00105 mmBtu/hr heater fueled by Natural Gas, to be operated and maintained in accordance with manufacturers specifications.

(c) HC-120 1.2 MMBtu/hr natural gas fired boiler.

(3) The information in Section A of this permit is for informational purposes only.

(4) APS# 345538, AUTH# 689736, December 2008: This Synthetic Minor Operating Permit has been renewed.

(5) APS# 345538, AUTH# 907066, January 2012: Plan Approval 15-0054B has been incorporated into this Operating Permit.

(6) APS# 345538, AUTH# 976159, November 2013: The Operating Permit is renewed.

(7) APS# 345538, AUTH# 1213745, February 2019: The Operating Permit is renewed and amended to include the provisions of Plan Approval 15-0054C, GP3-46-0153, GP9-46-0102. The following changes were made with this issuance. Condition numbers refer to the November 21, 2013 issuance.

(a) Cover Page - The mailing address, Responsible Official Title, and Permit Contact are updated.

(b) Section A - Source IDs 1004 for the Portable Crusher, C1004 for the Wet Suppression System for the Portable Crusher and 1019 for the Scania 494 hp engine were added to the Inventory and Permit maps with the incorporation of GP3-46-0153 and GP9-46-0102.

(c) Section C - Various conditions in Section C were updated to conform with recent DEP guidelines.

(d) Section D, Source ID 101 - Condition #001 - A note was included that compliance with the BAT limit of 0.02 gr/dscf assures compliance with the 0.04 gr/dscf particulate limit in 40 CFR Section 60.92(a)(1) and 25 Pa. Code Section 123.13.

(e) Section D, Source ID 101 - Condition #002 - Short term emission limits are included for both operation on propane and natural gas and fuel oil fuels. These limits were determined by a 20% increase over the highest hourly measurement (in lb/ton) determined in the stack tests of 2017 (for gaseous fuels) or 2010 (for fuel oil fuels). If the pollutant was not tested for, the emission factor in lb/ton in the AP-42 was used. In part (b) of the Condition, SOx is corrected to SO2.

(f) Section D, Source ID 101 - Condition #006 - The stack testing condition was updated to conform with recent DEP guidelines. Other changes to the testing Condition include:

*RAP content, drum temperature and baghouse pressure drop are added to the list of parameters monitored during testing.
*Testing shall be done using RAP content most often used in the 12-month rolling period preceeding the test, weather permitting.
*Testing shall be done with the dominant fuel used in the 12-month rolling period preceeding the test. If an alternate fuel is used for 30 or more cumulative days in any 12-month rolling period, the alternate fuel shall also be tested.
*SO2 is indicated to be analyzed only when testing with No.5 fuel oil.
*No. 5 Fuel Oil is specified to represent No. 2, No.4, No.5 fuel oils and WDLF.

(g) Section D, Source ID 101 - Conditions #009, #010 - RAP monitoring and recordkeeping were added to the conditions.

(h) Section D, Source ID 101 - Condition #010 - The keeping of a 12-month rolling sum for asphalt production and fuel usage was included.

SECTION H. Miscellaneous.

(i) Section D, Source ID 101 - Condition #011 - Emissions are specified to be calculated using factors from the most recent stack test (3-run average), or if unavailable, the most recent edition of the AP-42. Emission factors from the August 2017 and November 2010 stack tests are listed.

(j) Section D, Source ID 101 - Condition #018 - RAP addition system is included with the equipment.

(k) Section D, Source IDs 1004, 1019 - The conditions from GP3-46-0153 and GP9-46-0102 were incorporated.

(8) APS# 345538, AUTH# 1344208, January 2021: The administrative amendment:

(a) Incorporates GP3-46-0164 (Source ID 1022 Crusher P1) and GP9 46-0107 (Source ID 1023 Scania Engine supporting Crusher P1. Previously incorporated GP3 46-0153 and GP9 46-0102, Source IDs 1004 and 1019 respectively have been designated Portable #3 (P3).

(b) The facility is a synthetic minor. The applicable synthetic minor limits for facility-wide NOx and PM emissions and associated recordkeeping have been added to Section C of the permit.

(9) APS# 345538, AUTH# 1448656, February 2024: The Operating Permit is renewed and amended to incorporate the requirements of Plan Approval 15-0054D.

(10) APS No. 1172950; AUTH ID 1588075, November 2026. An administrative amendment is being issued for a change of ownership from Highway Materials, Inc. to Heidelberg Materials Northeast LLC.

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