



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: January 9, 2026

Effective Date: April 1, 2026

Expiration Date: March 31, 2031

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

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

State Only Permit No: 23-00105

Synthetic Minor

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

Owner Information

Name: HEIDELBERG MATERIALS NE LLC

Mailing Address: 7535 WINDSOR DR

SUITE 300

ALLENTOWN, PA 18106-8810

Plant Information

Plant: HEIDELBERG MTLN NORTHEAST PA / GLEN MILLS HMA PLT

Location: 23 Delaware County

23940 Middletown Township

SIC Code: 2951 Manufacturing - Asphalt Paving Mixtures And Blocks

Responsible Official

Name: MICHAEL T SULLIVAN

Title: V.P. / GM

Phone: (610) 366 - 4600

Email: mike.sullivan@heidelbergmaterials.com

Permit Contact Person

Name: KATIE MURRAY

Title: ENVIRONMENTAL MGR

Phone: (610) 366 - 4628

Email: katie.murray@heidelbergmaterials.com

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

JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER



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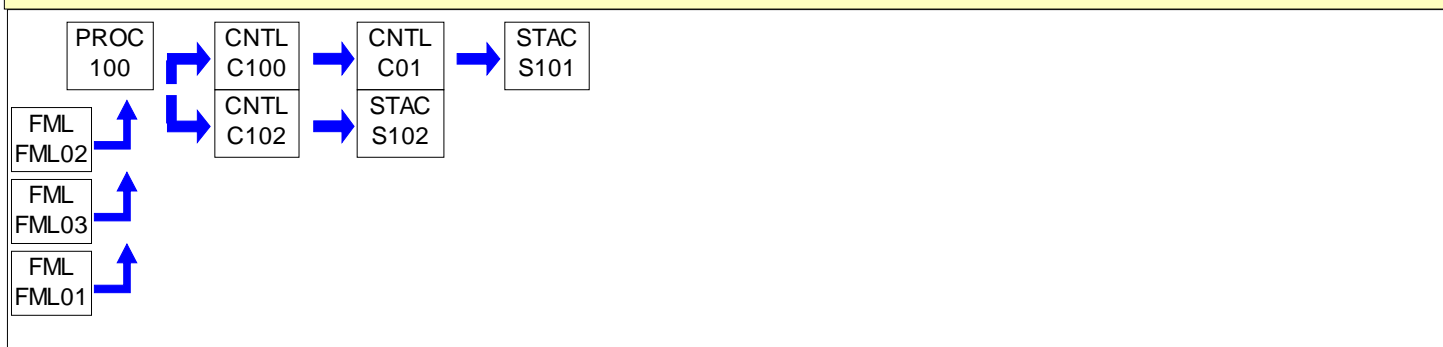
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
100	HOT MIX ASPHALT PLT	125.000 MCF/HR	Natural Gas
		N/A	PROPANE
		360.000 Tons/HR	AGGREGATE
		240.000 Gal/HR	#2 Oil
C01	FABRIC FILTER BAGHOUSE	N/A	PARTICULATE
C100	VERTICAL CYCLONE	N/A	AGGREGATE
C102	ELECTROSTATIC PRECIPITATOR (SMOG HOG)	N/A	AGGREGATE
FML01	NO. 2 FUEL OIL TANK (20,000 GAL. CAP.)		
FML02	PROPANE GAS TANK (30,000 GAL. CAP.)		
FML03	NATURAL GAS		
S101	BAGHOUSE STACK		
S102	ESP (SMOG HOG) STACK		

**PERMIT MAPS**

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

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

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

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

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

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

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

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
  - (1) For a synthetic minor facility, a fee equal to:
    - (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
    - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
    - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.
  - (2) For a facility that is not a synthetic minor, a fee equal to:

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- (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

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(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

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precluded by the Clean Air Act or its regulations.

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

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

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



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- (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 §123.1]****Prohibition of certain fugitive emissions**

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

- (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) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1) -- (8) above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (i) The emissions are of minor significance with respect to causing air pollution; and
  - (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**# 002 [25 Pa. Code §123.2]****Fugitive particulate matter**

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

**# 003 [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.

**# 004 [25 Pa. Code §123.41]****Limitations**

Except as otherwise indicated in Section D for Source ID 100 HMA Plant, a person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

**# 005 [25 Pa. Code §123.42]****Exceptions**

The emission limitations of 25 Pa. Code § 123.41 (relating to opacity limitations) 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.

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(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 sources specified in 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

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

The Glen Mills HMA Plant is a synthetic minor facility for particulate matter (PM-10/PM-2.5), volatile organic compounds (VOC), and nitrogen oxides (NOx) as follows:

(a) The permittee shall limit the emissions of PM-10/PM-2.5 from the HMA plant and the adjacent quarry to 99.9 tons per year or less, calculated on a monthly basis and as a 12-month rolling sum.

(b) The permittee shall limit the emissions of VOC from the HMA plant and the adjacent quarry to 24.9 tons per year or less, calculated on a monthly basis and as a 12-month rolling sum.

(c) The permittee shall limit the emissions of NOx from the HMA plant and the adjacent quarry to 24.9 tons per year or less, calculated on a monthly basis and as a 12-month rolling sum.

**# 007 [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.

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

The permittee shall ensure that no more than 50% of the output from the Glen Mills Quarry, calculated on a 12-month rolling average, is used by the co-located Glen Mills Hot Mix Asphalt plant.

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

(a) If at any time the Department has cause to believe that air contaminant emissions from any source 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.

**SECTION C. Site Level Requirements**

(c) The Department reserves the right to require exhaust stack testing of sources and control devices as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or determining compliance with applicable requirements.

**# 010 [25 Pa. Code §139.1]****Sampling facilities.**

Upon the request of the Department, the person responsible for a source shall provide adequate sampling ports, safe sampling platforms, and adequate utilities for the performance by the Department of tests on a source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

**III. MONITORING REQUIREMENTS.****# 011 [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.
- (b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

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

The permittee shall monitor the following information for the Glen Mills Hot Mix Asphalt (HMA) Plant using a Department approved method:

- (a) The amount of asphalt produced on a monthly basis, and as a 12-month rolling sum;
- (b) The total operation hours of the HMA Plant on a daily basis;
- (c) The type of fuel fired and the amount used on a monthly basis;
- (d) The percent output from the collocated Glen Mills Quarry used by the Glen Mills Hot Mix Asphalt plant.
- (e) The combined emissions of PM<sub>10</sub>/PM<sub>2.5</sub>, VOC, NO<sub>x</sub>, CO, and SO<sub>x</sub> from the HMA plant (SMOP No. 23-00105) and the adjacent quarry (SMOP No. 23-00024), on a monthly basis and as a 12-month rolling sum.

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

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

- (1) Odors which may be objectionable (as per 25 Pa. Code § 123.31).
- (2) Visible Emissions (as per 25 Pa. Code §§ 123.41 and 123.42).
- (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

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

(c) After six (6) months of daily monitoring, and upon the permittee's request accompanied with six (6) months of monitoring records, the Department will review and determine the feasibility of decreasing the monitoring frequency to weekly.

**SECTION C. Site Level Requirements**

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

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

**IV. RECORDKEEPING REQUIREMENTS.****# 014 [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) The name and title of the company representative monitoring these instances.
- (b) The date and time of the observation.
- (c) A description of any emissions or malodors observed. If none are observed, record "NONE."
- (d) The possible cause(s) of the emissions or malodors.
- (e) Corrective action(s) taken to abate or mitigate each recorded deviation and to prevent future occurrences.

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

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

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

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

The permittee shall maintain records of the following information for the Glen Mills Hot Mix Asphalt (HMA) Plant using a Department approved method:

- (a) The amount of asphalt produced on a monthly basis, and as a 12-month rolling sum;
- (b) The total operation hours of the HMA Plant on a daily basis;
- (c) The type of fuel fired and the amount used on a monthly basis;
- (d) The percent output from the collocated Glen Mills Quarry used by the Glen Mills Hot Mix Asphalt plant.
- (e) The combined emissions of PM10/PM2.5, VOC, NOx, CO, and SOx from the HMA plant (SMOP No. 23-00105) and the adjacent quarry (SMOP No. 23-00024), on a monthly basis and as a 12-month rolling sum.

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to DEP's 24-hour Emergency Hotline at 800.541.2050. 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.



**SECTION C. Site Level Requirements**

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

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

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements**

- (c) As used in this permit condition, the term "process" shall be as defined in 40 C.F.R. § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If this facility is subject to 40 C.F.R. Part 68, as part of the certification required under this permit, the permittee shall:
- (1) Submit a compliance schedule for satisfying the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a); or,
  - (2) Certify that this facility is in compliance with all requirements of 40 C.F.R. Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 C.F.R. Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 C.F.R. § 68.200.
- (f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 C.F.R. Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to submit a compliance schedule or fails to register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.

**VI. WORK PRACTICE REQUIREMENTS.****# 019 [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.

**# 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), Section B of this permit.

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

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

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

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

**SECTION C. Site Level Requirements****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall comply with the following work practice standards applicable to the HMA Plant:

- (a) The drop heights from front-end loaders being used to stockpile, transfer, and load aggregate shall be kept as short as possible to minimize dust emissions.
- (b) Stockpiles shall be kept as compact as possible to limit exposure to the wind. Material shall be stockpiled in such a manner that it may be adequately wetted as necessary to control fugitive emissions.
- (c) All in-plant roads shall be maintained to prevent particulate matter from becoming airborne in accordance with 25 Pa. Code §§ 123.1 and 123.2.
- (d) All unpaved in-plant roads shall be watered once per day during warm weather, at the start of each shift, if no precipitation has fallen within the previous twenty-four (24) hours, and as needed thereafter on a preventative basis such that visible fugitive emissions are controlled in accordance with 25 Pa. Code §§ 123.1 and 123.2. Other methods of dust control may be used when weather conditions make the watering of unpaved roads hazardous.
- (e) In accordance with 25 Pa. Code § 123.1(c), the permittee shall promptly remove earth or other material from paved roads onto which earth or other material has been transported by trucking or earth moving equipment, or other means.
- (f) A set vehicle pattern shall be established and maintained for vehicles entering and exiting the plant.
- (g) The permittee shall post a sign limiting speeds to less than 15 mph on all in-plant roads.
- (h) The permittee shall post and enforce a requirement stating "All vehicles entering or exiting the plant property shall be properly tarpaulin covered." Vehicles with a gross vehicle weight rating of less than 10,000 pounds shall be exempt from this condition.
- (i) The Department reserves the right to require additional controls (water sprays, paving, conveyor covers, etc.) based on evaluation of the operation after inspection and determination that existing controls are not adequate for controlling fugitive emissions.
- (j) Speed limit signs shall be posted consistent with the requirements of the Pennsylvania Department of Transportation (overall dimension 20 inches x 24 inches, "SPEED LIMIT" in 4-inch letters and 10-inch numerals).

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

- (a) Heidelberg Materials Northeast PA Glen Mills, located on the Middletown and Thornbury townships sites, shall be treated as a single source for the purpose of major source applicability determinations.
- (b) The aggregate of all pollutant emissions from both the Heidelberg Materials Northeast PA Glen Mills Quarry (SMOP 23-00024) and the Glen Mills HMA Plant (SMOP 23-00105) facilities shall be considered in the Department's and US EPA's determinations of applicability for air programs including, but not limited to the following:
  - (1) Prevention of Significant Deterioration
  - (2) New Source Review
  - (3) Maximum Achievable Control Technology
  - (4) Accidental Release Prevention requirements
- (c) Any increase in emissions from pollutant-emitting activities at either plant shall be combined and aggregated to determine whether an applicable requirement is triggered at the site.

**SECTION C. Site Level Requirements**

**# 025 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.90]**

**Subpart I - Standards of Performance for Hot Mix Asphalt Facilities**

**Applicability and designation of affected facility.**

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

The HMA Plant (Source ID: 100) is subject to the requirements of 40 C.F.R. Part 60 Subpart I - Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of the Subpart.

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

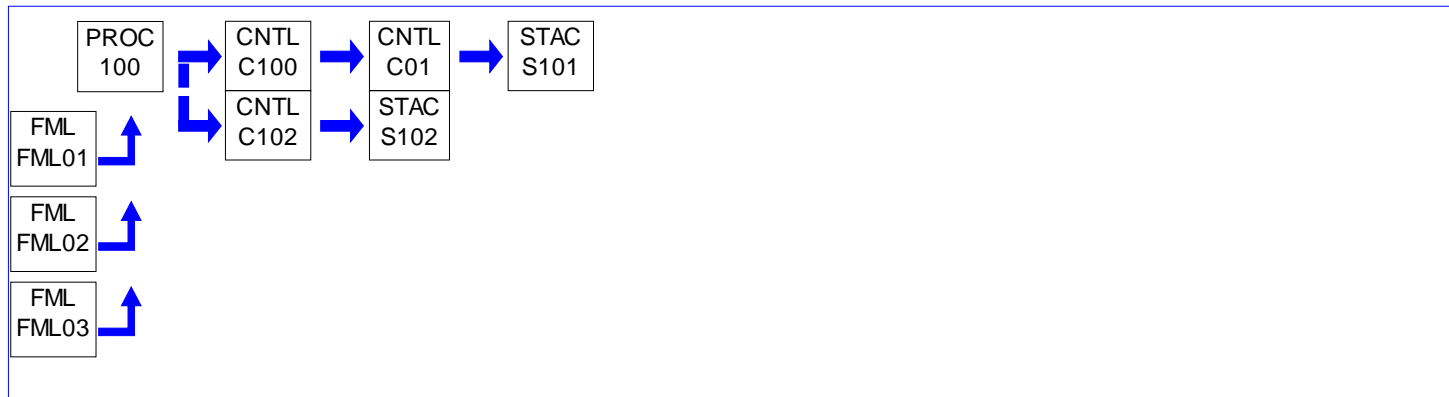
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 100

Source Name: HOT MIX ASPHALT PLT

Source Capacity/Throughput:	125.000 MCF/HR	Natural Gas
	N/A	PROPANE
	360.000 Tons/HR	AGGREGATE
	240.000 Gal/HR	#2 Oil

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

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

The permittee shall limit emissions from the HMA Plant (Source ID: 100) as follows:

NO<sub>x</sub>: 22.50 lb/hr and 19.38 tpy,

VOC: 8.45 lb/hr and 7.28 tpy,

SO<sub>x</sub>: 37.37 lb/hr and 32.18 tpy,

CO: 6.19 lb/hr and 5.33 tpy,

HAP: 2.82 lb/hr and 2.43 tpy.

Ton per year emissions are based on a 12-month rolling sum.

[The SO<sub>x</sub> emission limit is more stringent and streamlines compliance with the sulfur compound standard of 25 Pa. Code § 123.21.]

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

The permittee shall limit the filterable particulate matter emissions in the exhaust of the baghouse to 0.016 grains per dry standard cubic foot of effluent gas volume.

[Compliance with this streamlined permit condition assures compliance with the applicable requirements of § 40 C.F.R. 60.92(a)(1) and 25 Pa. Code § 123.13(c)(1)(i).]

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.92]****Subpart I - Standards of Performance for Hot Mix Asphalt Facilities****Standard for particulate matter.**

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

**SECTION D. Source Level Requirements**

The permittee shall not discharge or cause the discharge into the atmosphere from the hot mix asphalt plant any gases which exhibit 20 percent opacity or greater according to 40 C.F.R. § 60.92(a)(2).

[Compliance with this regulation streamlines and assures compliance with the opacity requirements found in 25 Pa. Code § 123.41.]

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

- (a) The permittee shall fire the HMA Plant Dryer with natural gas, No. 2 fuel oil, or propane.
- (b) For usage of No. 2 fuel oil:
  - (1) The HMA plant shall not use any No. 2 fuel oil to which reclaimed or other waste materials have been added.
  - (2) The sulfur content of the No. 2 fuel oil fired shall not, at any time, exceed 0.2% by weight.

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

- (a) The permittee shall limit the annual production rate of asphalt from the HMA Plant (Source ID: 100) to 620,000 tons or less, calculated on a 12-month rolling sum.
- (b) The permittee shall limit the RAP content of the total finished asphalt produced by the HMA Plant (Source ID: 100) to 25% or less, calculated on a 12-month rolling average.

**II. TESTING REQUIREMENTS.****# 007 [25 Pa. Code §139.16]****Sulfur in fuel oil.**

- (a) The following are applicable to the analysis of commercial fuel oil:
  - (1) The fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 25 Pa. Code § 139.4(10) (relating to references);
  - (2) Test methods and procedures for the determination of sulfur shall be those specified in 25 Pa. Code § 139.4(12)--(15); and
  - (3) Results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).
- (b) The requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

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

The permittee shall monitor the following operating parameters for the HMA Plant (Source ID: 100):

- (a) The hours of operation on a daily basis.
- (b) The amount and type of fuel used by the HMA Plant (Source ID: 100) and the HMA Plant Dryer on a monthly basis.
- (c) The amount of asphalt produced on a daily basis, monthly basis, and 12-month rolling basis.
- (d) The percent recycled asphalt pavement (RAP) content of the total finished asphalt produced by the HMA plant (Source ID: 100) on an monthly basis and 12-month rolling basis.

**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall monitor the following emissions from the HMA Plant (Source ID: 100) on a monthly basis and as a 12-month rolling sum:

- (1) NO<sub>x</sub> emissions.
- (2) VOC emissions.
- (3) SO<sub>x</sub> expressed as SO<sub>2</sub>, emissions.
- (4) CO emissions.
- (5) HAP emissions.

(b) Emissions of the above criteria pollutants shall be calculated and determined, by a method approved by the Department, for the following categories:

- (1) HMA Plant
  - (i) Dryer
  - (ii) Silo Filling
  - (iii) Load-Out (from the storage silos)
- (2) RAP Plant.

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

The permittee shall maintain records of the following information for the HMA Plant (Source ID: 100):

- (a) The hours of operation on a daily basis.
- (b) The amount and type of fuel used by the HMA Plant (Source ID: 100) and the HMA Plant Dryer on a monthly basis.
- (c) The amount of asphalt produced on a daily basis, monthly basis, and 12-month rolling basis.
- (d) The percent recycled asphalt pavement (RAP) content of the total finished asphalt produced by the HMA plant (Source ID: 100) on an monthly basis and 12-month rolling basis.

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

The permittee shall maintain records of all preventative maintenance inspections for the Vertical Cyclone (Source ID: C100), the Fabric Filter Baghouse (Source ID: C01) and the Electrostatic Precipitator ("Smog Hog") (Source ID: C102) associated with the HMA Plant (Source ID: 100). These records shall contain, at a minimum, the following for each inspection:

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

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

The permittee shall calculate and maintain records of the following emissions from the HMA Plant (Source ID: 100) on a monthly basis and as a 12-month rolling sum:

- (a) NO<sub>x</sub> emissions.
- (b) VOC emissions.
- (c) SO<sub>x</sub>, expressed as SO<sub>2</sub> emissions.
- (d) CO emissions.
- (e) HAP emissions.

**SECTION D. Source Level Requirements****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records to show compliance with the fuel oil sulfur content limitations contained in this section.

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

The permittee shall submit, upon Department request, analyses of the fuels used in the HMA Plant Dryer (i.e., dryer burner).

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

The HMA Plant (Source ID: 100) shall operate only if particulate matter (PM) emissions from the HMA Plant Dryer pass through the Vertical Cyclone (Source ID: C100) and Fabric Filter Baghouse (Source ID: C01) control devices and the Electrostatic Precipitator ("Smog Hog") (Source ID: C102) is controlling emissions from the batch tower and all storage silos.

**VII. ADDITIONAL REQUIREMENTS.****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Glen Mills HMA plant is subject to the requirements of 40 C.F.R. Part 60 Subpart I of the Standards of Performance for New Stationary Sources and shall comply with all applicable requirements of Subpart I. In accordance with 40 C.F.R. § 60.4, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both the EPA and the Department. NSPS reports may be submitted electronically to EPA's Central Data Exchange: <https://cdx.epa.gov/>.

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

The Hot Mix Asphalt Plant includes a Dryer which is equipped with a 125 MMBtu/hr Hauck Eco-Star II Low NOx Burner fueled primarily by natural gas and back-up is propane and No. 2 fuel oil.

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

The Recycled Asphalt Pavement (RAP) System (Source ID 200) supports the HMA Plant with a hopper, screening and conveying operations. The RAP System no longer contains grinding operations or hammermill equipment.



**SECTION D. Source Level Requirements**

Source ID: C01

Source Name: FABRIC FILTER BAGHOUSE

Source Capacity/Throughput:

N/A

PARTICULATE

Conditions for this source occur in the following groups: GRP 1

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

The permittee shall maintain a filterable particulate matter removal efficiency of 99% for the Fabric Filter Baghouse (Source ID: C01).

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

(a) The permittee shall perform a stack test using the Department-approved procedures once every five (5) calendar years, where five calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five years later. In accordance with 25 Pa. Code § 139.11(1), 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. Refer to PADEP Source Testing Program website online for further information related to source testing including Source Testing FAQ and the PADEP Source Testing Manual.

(b) The stack test shall, at a minimum, test for filterable particulate matter from the baghouse exhaust. Tests shall be conducted in accordance with the provisions of EPA Method 5 or other Department approved methodology and 25 Pa. Code Chapter 139.

(c) At least ninety (90) days prior to the test, the permittee shall submit to the Department for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

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

(e) Within sixty (60) days after the source test(s), the permittee shall submit the complete test report, including all operating conditions to the Regional Air Quality Manager for approval.

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

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

(1) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings;

(2) Permit number(s) and condition(s) which are the basis for the evaluation;

(3) Summary of results with respect to each applicable permit condition; and

(4) A statement of compliance or non-compliance with each applicable permit condition.

(h) All submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(i) The owner or operator shall comply with all applicable federal reporting requirements, including timelines more stringent than those contained in this permit. In the event of an inconsistency or any conflicting requirements between federal and state laws and regulation, the permittee shall comply with the most stringent provision, term, condition, method or rule.

**SECTION D. Source Level Requirements**

(j) All testing shall be conducted in accordance with any applicable federal regulations (such as New Source Performance Standards, Subpart I); 25 Pa. Code, Chapter 139 (relating to sampling and testing); and the current revision of the DEP Source Testing Manual. The following federal reference methods shall be used to demonstrate compliance.

(1) 40 C.F.R. 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 C.F.R. 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).

(k) The testing shall be performed while the source is operating at a maximum routine operating conditions rate and while producing a typical mix formulation. 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 (propane, natural gas, No.2 & No. 4 oil, WDLF, biodiesel, alternative fuels);
- (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).

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

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

Southeast Region  
RA-EPSEstacktesting@pa.gov

Central Office  
RA-EPstacktesting@pa.gov

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

(1) Test Date(s)

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

(2) Facility Identification Number (PF ID 666039): 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) Operating permit number
- (b) Applicable federal subpart(s)

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

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

The permittee shall monitor the pressure differential across the Fabric Filter Baghouse (Source ID: C01) on a daily basis, when in operation, via a photohelic or magnahelic guage.

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

The permittee shall record the pressure drop across the Fabric Filter Baghouse (Source ID: C01) on a daily basis, when in operation.

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

The permittee shall document all preventive maintenance performed on the Fabric Filter Baghouse (Source ID: C01) in a log on all occasions. The log should identify the condition of the baghouse at the time of inspection and any cleaning or maintenance performed following 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) and/or Section E (Source Group Restrictions).

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

The permittee shall keep on hand a sufficient quantity of spare fabric collector bags for the control device, in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the sources and the control device.

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

The permittee shall control emissions from the HMA Plant Dryer (Source ID: 031) through the use of the Vertical Cyclone (Source ID: C100) and the Fabric Filter Baghouse (Source ID: C01).

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

The permittee shall perform the following preventive maintenance for Fabric Filter Baghouse (Source ID: C01):

- (a) Monthly, visually check the condition of the outside piping and fan;
- (b) Monthly, check the condition of the filter bags.

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

The permittee shall maintain and operate the Fabric Filter Baghouse (Source ID: C01) at a pressure range of 2.0 inches to 6.0 inches water gauge (w.g.).

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION D. Source Level Requirements**

Source ID: C100

Source Name: VERTICAL CYCLONE

Source Capacity/Throughput:

N/A

AGGREGATE

Conditions for this source occur in the following groups: GRP 1

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall control emissions from the HMA Plant Dryer through the use of the Vertical Cyclone (Source ID: C100) and the Fabric Filter Baghouse (Source ID: C01).

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION D. Source Level Requirements**

Source ID: C102

Source Name: ELECTROSTATIC PRECIPITATOR (SMOG HOG)

Source Capacity/Throughput:

N/A

AGGREGATE

Conditions for this source occur in the following groups: GRP 1

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall control emissions from the batch tower and all storage silos at the facility through the use of the Electrostatic Precipitator ("Smog Hog") (Source ID: C102).

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: GRP 1

Group Description: HMA Plant Control Devices

**Sources included in this group**

ID	Name
C01	FABRIC FILTER BAGHOUSE
C100	VERTICAL CYCLONE
C102	ELECTROSTATIC PRECIPITATOR (SMOG HOG)

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall maintain and operate the Vertical Cyclone (Source ID: C100), Fabric Filter Baghouse (Source ID: C01), Wet Suppression System (Source ID: C02), and Electrostatic Precipitator ("Smog Hog") (Source ID: C102) control devices according to manufacturers' specifications and good air pollution control practices.

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description
100	HOT MIX ASPHALT PLT
Emission Limit	
5.330 Tons/Yr	12-month rolling sum
6.190 Lbs/Hr	
2.430 Tons/Yr	
2.820 Lbs/Hr	
19.380 Tons/Yr	12-month rolling sum
22.500 Lbs/Hr	
0.016 gr/DRY FT3	
32.180 Tons/Yr	12-month rolling sum
37.370 Lbs/Hr	
500.000 PPMV	
7.280 Tons/Yr	12-month rolling sum
8.450 Lbs/Hr	

**Site Emission Restriction Summary**

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



**SECTION H. Miscellaneous.**

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

- (1) Asphalt Storage Tanks
- (2) Transport and Handling
- (3) Truck Loadout
- (4) Asphalt Conveyor and Feed Bins
- (5) Two (2) Fuel Storage Tanks (one 20,000 gallon liquid propane tank and one 20,000 gallon No. 2 fuel oil tank)
- (6) Propane Fired Heater (Source ID 032 Pre-Heater) with a rated capacity of 1.5 MMBtu/hr - replaced with a unit rated at 2.0 MMBtu/hr fired by natural gas or propane
- (7) Three (3) 30,000-gallon asphalt cement tanks.

(b) The following is a list of plan approvals and operating permits previously issued for both the quarry and the HMA Plant owned and operated by Heidelberg Materials:

- (1) RACT Operating Permit OP-23-0024 (Quarry and Two Batch Asphalt Plants) - all of these sources have been removed from the facility,
- (2) Plan Approval No. 23-0024 (HMA Plant) - installation of HMA sources,
- (3) Plan Approval No. 23-0023A (HMA Plant) - supersedes Plan Approval No. 23-0024, for the modification of the HMA Baghouse,
- (4) Plan Approval No. 23-0024B (HMA Plant and Recycled Asphalt Pavement Plant) - supersedes Plan Approval No. 23-0024 and 23-0024A, for the modification to restrict annual production rates,
- (5) Plan Approval No. 23-0024C (Quarry) - installation of new sources at the quarry,
- (6) Plan Approval No. 23-0024D (Quarry) - installation of new sources at the quarry,
- (7) Plan Approval No. 23-0024D (Quarry and HMA) - originally issued for sources operating at the quarry; however, revisions to this plan approval issued in 2007 also affect the HMA Plant, modification of Plan Approval No. 23-0024D to revise and clarify site wide PM emission limits,
- (8) General Plan Approval and General Operating Permit (BAQ-GPA/GP-3): 23-310-015GP (Source ID 400 - Portable Nonmetallic Mineral Processing Plant). The PNMPP operates only at the quarry; the source only appears in SMOP No. 23-00024.
- (9) Plan Approval No. 23-0105 (HMA Plant) - replace HMA baghouse C101 and C01.
- (10) Plan Approval No. 23-0105A (HMA Plant) - revise PM emission limit, see (f) below.

(c) This State Only Operating Permit 23-00105 (APS ID: 365712, Auth ID: 852619) has been renewed.

(d) This State Only Operating Permit 23-00105 (APS ID: 365712, Auth ID: 994973) has been administratively amended to incorporate requirements from Plan Approval 23-0105 (AUTH ID 835826). The plan approval address the replacement of the HMA (Source ID 100) Baghouse (C101) with a new Baghouse (C01).

(e) This State Only Operating Permit 23-00105 (APS ID: 365712, AUTH ID 1092203) has been renewed. The following items have been addressed with this renewal permit:

(1) Source ID 032 - Pre-Heater - Propane-fired heater rated at 2.0 MMBtu/hr which may also fire natural gas does not require additional monitoring or recordkeeping pursuant to 25 Pa. Code § 135.2; the source has been removed from Section A (Site Inventory) and Section D (Source Level Requirements) and is now listed as an insignificant source of emissions in Section G (a)(6) above.

(2) Source ID 200 - Recycled Asphalt Pavement (RAP) System - no longer crushes, grinds or contains a hammermill equipment. The RAP System has been removed from Section A and Section D and is now listed under Source ID 100 - HMA Plant as supporting operations.

(3) Source ID 400 - Portable Nonmetallic Mineral Processing Plant - this unit only supports the quarry operations; therefore the source is not included in the HMA Plant permit. The unit is only addressed and listed in SMOP No. 23-00024.

(4) The requirements of 40 C.F.R. Part 60 Subpart OOO do not apply to the HMA Plant according to 40 C.F.R. § 60.670(b) because the requirements of 40 C.F.R. Part 60 Subpart I apply to the HMA Plant. The requirements of Subpart OOO have been removed from this permit.

(5) A list of previously issued operating permits and plan approvals has been included above for historical information.

(6) All references to Title V Operating Permit have been removed from the permit; the facility is a Synthetic Minor, therefore 25 Pa.

**SECTION H. Miscellaneous.**

Code Chapter 500 citations do not apply.

(7) RFD No. 2027 dated March 10, 2011 is for the replacement of Control Device ID C102. This project was not pursued.

(8) RFD No. 4178 dated January 13, 2014 allows for the use of natural gas as the primary fuel consumed in the Dryer and the Pre-Heater associated with the HMA Plant.

(9) Source testing requirements for the HMA Plant and the Baghouse (Control Device C01) have been streamlined and corrected and are now listed under the control device (C01).

(f) Administrative Amendment (AUTH ID 1272254) to incorporate terms and conditions of Plan Approval No. 23-0105A which is for the modification of the particulate matter emission limit for the Hot Mix Asphalt Plant (Source ID 100). The particulate matter concentration limit for Source ID 100 has been modified from 0.02 gr/dscf to 0.016 gr/dscf. The pound per hour and the annual emission limits have been removed from the permit. The asphalt production rate limit of 620,000 tons per year remains in effect. The stack testing requirement has been clarified to test the baghouse exhaust using USEPA Test Method 5 for filterable particulate matter.

(g) This State-Only Operating Permit 23-00105 (AUTH ID 1322324) is the renewal permit. Section B and Section C have been updated according to current template language as applicable.

(h) This State-Only Operating Permit 23-00105 (AUTH ID 1532756) is the renewal permit. The following has been addressed with this renewal permit:

(1) Section B and Section C have been updated according to current template language as applicable.

(2) The name of the permittee has been updated from Hanson Aggregates Pennsylvania LLC to Heidelberg Materials Northeast PA. There was no change to the EIN number.

(3) The Responsible Official has been updated from Mark E. Kendrick, VP – Operations, to Michael Sullivan, Vice President/General Manager.

(4) The Permit Contact has been updated from Andrew Gutshall, Environmental Manager, to Katie Murray, P.G., Area Environmental Manager.

(5) Mike Connell and Brett Blake have been added as Inspection Contacts.

(6) Recordkeeping requirements added to support Section C material output restriction and Section D RAP production restriction.

(7) Wet suppression (Control Device C02) is not in use on site; removed from permit mapping upon visual and written confirmation.



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

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