



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

**STATE ONLY SYNTHETIC MINOR OPERATING PERMIT**

Issue Date: November 29, 2023

Effective Date: November 29, 2023

Expiration Date: November 28, 2028

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

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

**State Only Permit No: 09-00019**

Synthetic Minor

Federal Tax Id - Plant Code: 23-2687469-5

**Owner Information**

Name: NACEVILLE MATERIALS JOINT VENTURE

Mailing Address: PO BOX 196  
2052 LUCON RD  
SKIPPACK, PA 19474-0196

**Plant Information**

Plant: MILLER MATERIALS/RUSHLAND QUARRY

Location: 09 Bucks County 09953 Wrightstown Township  
SIC Code: 1429 Mining - Crushed And Broken Stone, Nec

**Responsible Official**

Name: JOHN R KIBBLEHOUSE

Title: OFFICER OF A MEMBER

Phone: (610) 584 - 8500

Email: jkibblehouse@hkgroup.com

**Permit Contact Person**

Name: TAYLOR SCOTT

Title: AIR QUALITY PERMIT MGR

Phone: (610) 222 - 3594

Email: staylor@hkgroup.com

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

*JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER*



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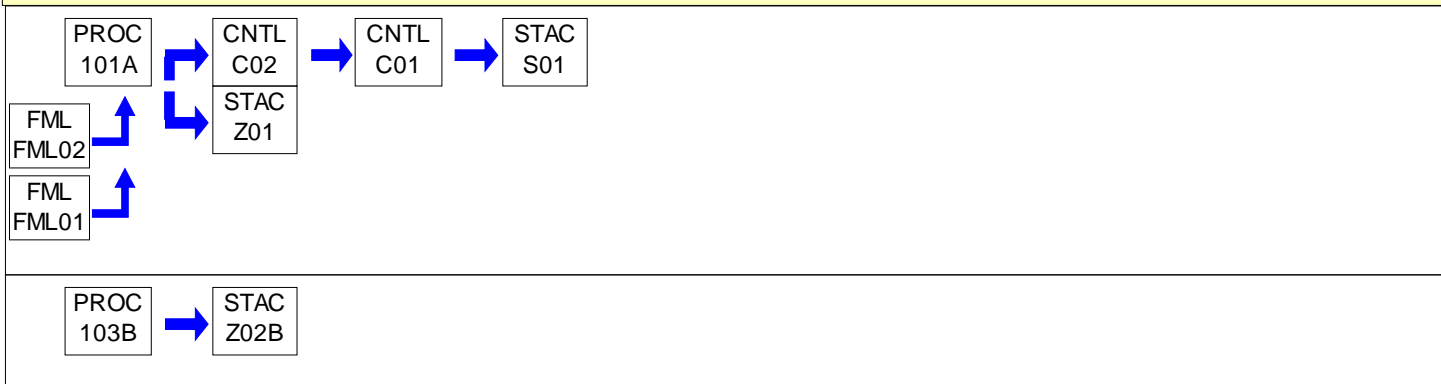
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101A	BATCH HOT MIX ASPHALT (HMA) PLANT	82.000 MMBTU/HR	
		585.710 Gal/HR	#2 Oil
		607.410 Gal/HR	WDLF
		300.000 Tons/HR	HMA
103B	RECLAIMED ASPHALT PAVEMENT (RAP) PLANT	75.000 Tons/HR	RAP
C01	BATCH HMA PLANT BAGHOUSE		
C02	BATCH HMA PLANT CYCLONE		
FML01	15,000-GAL NO. 2 FUEL OIL ABOVEGROUND STORAGE TANK (AST)		
FML02	15,000-GAL WASTE DERIVED LIQUID FUEL (WDLF) AST		
S01	BATCH HMA PLANT BAGHOUSE STACK		
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**PERMIT MAPS**

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO<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:



**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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**

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

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

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

Except as specified in Section D of this permit, under Source IDs 101A and C03, the permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from any source occurs in such a manner that the opacity of the emission is neither of the following:

**SECTION C. Site Level Requirements**

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

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

The 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.**

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

The permittee shall ensure that emission into the outdoor atmosphere of volatile organic compounds (VOCs) from this facility occurs in such a manner that the rate of the emission is less than 24.9 tons/yr, calculated monthly as a 12-month rolling sum.

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

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

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (NO<sub>x</sub>) from this facility occurs in such a manner that the rate of the emission is less than 24.9 tons/yr, calculated monthly as a 12-month rolling sum.

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

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

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) 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.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

**SECTION C. Site Level Requirements**

(a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) listed in this permit, may be in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III, the permittee shall be required to perform whatever test(s) is deemed necessary by the Department to determine the actual emission rate(s).

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

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

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

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

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

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

- (1) Odors, which may be objectionable (as per 25 Pa. Code § 123.31).
- (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42).
- (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, visible air contaminant emissions, and/or fugitive air contaminant emissions that are caused or may be caused by operations at the facility shall:

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

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

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

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

- (a) The total carbon monoxide (CO) emissions.
- (b) The total NOx emissions.
- (c) The total PM emissions.
- (d) The total PM less than 10 µm in aerodynamic diameter (PM-10) emissions.
- (e) The total PM less than 2.5 µm in aerodynamic diameter (PM-2.5) emissions.
- (f) The total sulfur oxides (SOx) emissions.
- (g) The total VOC emissions.

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

The permittee shall maintain all records, reports, and analysis results generated in compliance with the requirements of any section of this permit in accordance with Condition # 020(b), Section B, of this permit, and shall make them available to

**SECTION C. Site Level Requirements**

the Department upon written or verbal request within a reasonable time.

**# 015 [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; and
- (c) The corrective action taken, if necessary, to abate the situation and prevent future occurrences.

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

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

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

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

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

- (a) The total CO emissions.
- (b) The total NOx emissions.
- (c) The total PM emissions.
- (d) The total PM-10 emissions.
- (e) The total PM-2.5 emissions.
- (f) The total SOx emissions.
- (g) The total VOC emissions.

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

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

- (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



**SECTION C. Site Level Requirements**

owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

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

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

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

[Additional authority for this permit 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 all applicable provisions 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) that meets all applicable provisions 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 this facility. The permittee shall submit the RMP to the EPA according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
  - (i) Three (3) years after the date on which a regulated substance is first listed in 40 C.F.R. § 68.130.
  - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

(3) The permittee shall certify that the RMP is accurate and complete in accordance with all applicable provisions of 40 C.F.R. 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 C.F.R. § 68.3. The term "process" means

**SECTION C. Site Level Requirements**

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 perform the following:

(1) Submit a compliance schedule for satisfying all applicable provisions of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a).

(2) Certify that the facility is in compliance with all applicable provisions of 40 C.F.R. Part 68 including the registration and submission of the RMP.

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

(f) When the facility is subject to the accidental release program provisions of Section 112(r) of the Clean Air Act and 40 C.F.R. 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 C.F.R. Part 68.

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

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

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.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.444.]

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.

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

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

**SECTION C. Site Level Requirements****# 023 [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).

**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.**

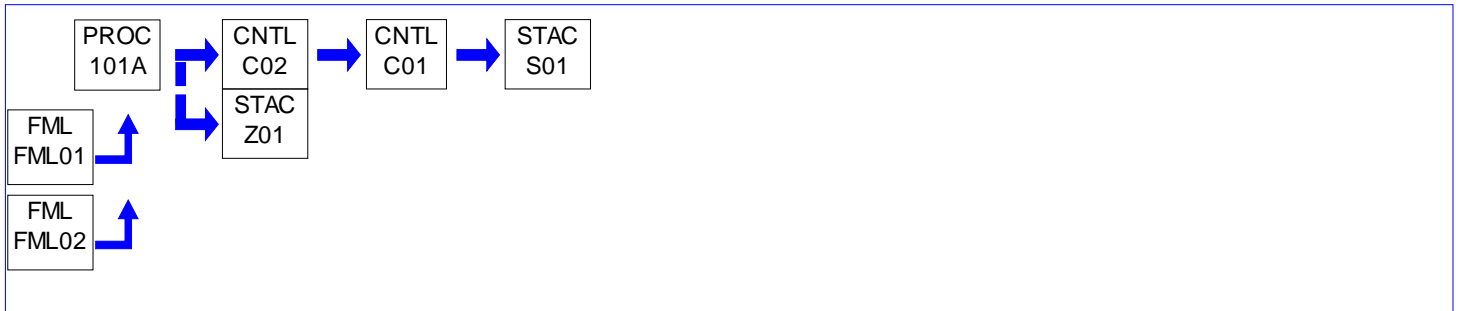
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 101A

Source Name: BATCH HOT MIX ASPHALT (HMA) PLANT

Source Capacity/Throughput:	82.000	MMBTU/HR	
	585.710	Gal/HR	#2 Oil
	607.410	Gal/HR	WDLF
	300.000	Tons/HR	HMA

**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 § 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from this batch HMA plant, as measured at the stack of the dust collector (Source ID C01), occurs in such a manner that the concentrations of the emission do not exceed any of the following:

Pollutant	ppmv
CO	350
NOx	85
VOCs	60

ppmv = ppmv, dry basis, corrected to 15% oxygen (O<sub>2</sub>).

**# 002 [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 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from this batch HMA plant occurs in such a manner that the concentration of PM in the exhaust gas, as measured at the outlet of the associated baghouse (Source ID C01) using EPA Method 5, does not exceed 0.02 grains per dry standard cubic foot (gr/dscf).

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

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.13(b).]

The permittee shall ensure that emission into the outdoor atmosphere of total PM from this batch HMA plant occurs in such a manner that the rate of the emission, as measured at the outlet of the associated baghouse (Source ID C01) using EPA Methods 5 and 202, does not exceed 17.7 lbs/hr.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code § 123.21(b).]

**SECTION D. Source Level Requirements**

The permittee shall ensure that emission into the outdoor atmosphere of SO<sub>x</sub> from this batch HMA plant occurs in such a manner that the concentration of SO<sub>x</sub>, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust gas does not exceed 500 ppmv, dry basis.

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

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

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

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.41(1)–(2).]

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

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

(a) The permittee shall ensure that No. 2 fuel oil and on-specification WDLF are the only fuels consumed by this batch HMA plant, as follows:

Batch HMA Plant Equipment	Permitted Fuel(s)
Burner of the Rotary Dryer	No. 2 Fuel Oil or On-Specification WDLF
Hot AC Heater	No. 2 Fuel Oil

(b) The WDLF shall have a heat content and flash point of equal to or greater than 8,000 Btu/lb and 100 °F, respectively.

(c) The following constituents in the No. 2 fuel oil and WDLF shall not exceed the following levels:

Constituent	Level in No. 2 Fuel Oil	Level in WDLF
Arsenic		5 ppm, by weight
Ash		1.0%, by weight
Cadmium		2 ppm, by weight
Chromium		10 ppm, by weight
Lead		100 ppm, by weight
PCBs		Not Detectable*
Sulfur	0.3%, by weight	0.5%, by weight
TX		1,000 ppm, by weight

\*Total PCBs shall not be present in a quantifiable level defined in 40 CFR § 761.20(e) (1) as 2 micrograms per gram, i.e., < 2 ppmw.

(d) Any WDLF that does not comply with (b)–(c), above, is not considered by the Department to be on-specification WDLF and shall not be consumed by the batch HMA plant, as specified in (a), above. The permittee is not authorized to blend WDLF with any other fuel(s) for any reason, including, but not limited to, for the purpose of producing an on-specification mixture.

PCBs = Polychlorinated biphenyls.

TX = Total halogens.

**SECTION D. Source Level Requirements****Throughput Restriction(s).****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall ensure that the amount of HMA produced by this batch HMA plant is less than 461,000 tons/yr, calculated monthly as a 12-month rolling sum.

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

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

The permittee shall ensure that all PM emissions from the hot equipment of this batch HMA plant are ducted to the associated cyclone (Source ID C02) and baghouse (Source ID C01) before exhausting into the outdoor atmosphere.

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

(a) The permittee shall perform a stack test using Department-approved procedures once every five (5) calendar years, where five (5) calendar years is defined as beginning with the calendar year the latest stack test was performed and ending on December 31, five (5) years later. The permittee shall perform a stack test for this batch HMA plant, as follows:

- (1) 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.
- (2) At the stack (Source ID S02) of the baghouse (Source ID C01) associated with the batch HMA plant.
- (3) While the batch HMA plant is processing a typical HMA formulation and operating at a capacity of equal to or greater than 200 tons HMA/hr, such that the test results are representative of maximum normal operations.
- (4) While the burner of the rotary dryer of the batch HMA plant is consuming WDLF.

(b) Stack testing shall be performed to determine compliance with the NO<sub>x</sub>, CO, and VOC limits, in ppmv (dry basis), corrected to 15% oxygen, and PM, both filterable (gr/dscf) and total PM (filterable and condensables).

(c) At least 90 days prior to the stack 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. A test protocol shall be approved by the Source Testing Section of the Department prior to the test.

(d) At least 15 days prior to the stack test, the permittee shall inform the Regional Air Quality Program Manager of the Department of the date and time of the test.

(e) Within 60 days after the stack test, but no later than 6 months prior to the expiration date of this permit, the permittee shall submit two copies of the complete test report, including all operating conditions, to the Regional Air Quality Program Manager of the Department for approval.

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

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

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

**SECTION D. Source Level Requirements**

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

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

(2) Unless an alternative method(s) is approved by the Department, in writing, only the following analytical techniques or test methods may be used:

Constituent/Property	Analytical Technique(s)/Test Method(s)
Arsenic	EPA Method 3051, 6010, 6020, or 7000 Series
Ash	ASTM D482
Cadmium	EPA Method 6010, 6020, or 7000 Series
Chromium	EPA Method 6010, or 7000 Series
Flash Point	EPA Method 1010 or ASTM D93-80
Lead	EPA Method 6010, or 7000 Series
PCBs	EPA Method 8082
Sulfur	ASTM D129, D1266, D1552, D2622, or D4294
TX	EPA Method 9075, 9076, or 9077 Series

(b) This testing requirement shall be waived for a given shipment of No. 2 fuel oil or WDLF in the event that the permittee obtains either a laboratory analysis or other certification (e.g., delivery receipt) from the fuel supplier that includes results for all constituents and properties indicated in paragraphs (a)(1)–(2), above.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.93(b)(2) and 25 Pa. Code Chapter 122.]

To demonstrate compliance with the opacity limit applicable to the batch HMA plant, the permittee shall determine the opacity of any and all visible air contaminants using EPA Method 9.

**III. MONITORING REQUIREMENTS.**

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

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

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

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The permittee shall monitor the differential pressure across the baghouse (Source ID C01) associated with this batch HMA plant at least once per operating day.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 014 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

**SECTION D. Source Level Requirements**

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

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

**# 015 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The permittee shall maintain records of the differential pressure across the baghouse (Source ID C01) associated with this batch HMA plant at least once per operating day.

**# 016 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

The permittee shall maintain records of the dates that the filter bags used in the baghouse (Source ID C01) associated with this batch HMA plant are replaced.

**# 017 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain records of all opacity observations made for this batch HMA plant.

**# 018 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

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

- (a) The sulfur content or maximum sulfur content (% by weight) for each shipment of No. 2 fuel oil.
- (b) The following for each shipment of WDLF:
  - (1) The arsenic content (ppm, by weight).
  - (2) The ash content (% by weight).
  - (3) The cadmium content (ppm, by weight).
  - (4) The chromium content (ppm, by weight).
  - (5) The flash point (°F).
  - (6) The heat content (Btu/lb)
  - (7) The lead content (ppm, by weight).
  - (8) The PCB content (not detectable or ppm, by weight).
  - (9) The sulfur content or maximum sulfur content (% by weight).
  - (10) The TX content (ppm, by weight).

**# 019 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

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

- (a) The date and time of the inspection.
- (b) Any maintenance (i.e. routine, preventative, or otherwise) performed.



**SECTION D. Source Level Requirements****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall maintain records of all adjustments and tuneups performed on the burner of the rotary dryer of this batch HMA plant. These records shall contain, at a minimum, the following for each adjustment/tuneup:

- (a) The date of the tuning procedure.
- (b) The name of the service company and technicians.
- (c) The HMA production rate (tons/hr) before and after the tuning procedure.
- (d) The CO and NO<sub>x</sub> concentrations (ppmv, dry basis, corrected to 15% O<sub>2</sub>) before and after the tuning procedure.
- (e) The percent O<sub>2</sub> before and after the tuning procedure.

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

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

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

- (a) The total CO emissions.
- (b) The total NO<sub>x</sub> emissions.
- (c) The total PM emissions.
- (d) The total PM-10 emissions.
- (e) The total PM-2.5 emissions.
- (f) The total SO<sub>x</sub> emissions.
- (g) The total VOC emissions.

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

The permittee shall submit a written report for each set of opacity observations that contains a reading(s) that does not comply with the opacity limit applicable to the batch HMA plant.

**VI. WORK PRACTICE REQUIREMENTS.****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall operate and maintain a differential pressure gauge to indicate the differential pressure across the baghouse (Source ID C01) associated with this batch HMA plant. The permittee shall ensure that the baghouse operates within the differential pressure range of 1–6 inches of water.

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

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

The permittee shall perform the following preventative maintenance for the baghouse (Source ID C01) associated with this batch HMA plant:

- (a) A visual check of the condition of the outside piping and blowers, at least once per operating day.
- (b) Inspection of the blowers for general condition, unusual noises, and belt condition, on a monthly basis (when operated during that period).

**SECTION D. Source Level Requirements**

(c) Inspection of cages and filter bags, on at least an annual basis, and repair of any damaged cages and replacement of any damaged filter bags, as needed. The permittee shall maintain a sufficient quantity of spare filter bags for replacement of deteriorated or ineffective filter bags.

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

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

The permittee shall perform a visual check of the outside housing of the cyclone (Source ID C02) associated with this batch HMA plant, for leaks and fugitive emissions, at least once per operating day.

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

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

The permittee shall perform an adjustment or tuneup on the burner of the rotary dryer of this batch HMA plant within 4 weeks after the batch HMA plant is first operated during, or on or before June 15 of, each calendar year, whichever is earlier. The adjustment/tuneup shall include, but not be limited to, the following:

(a) Inspection, adjustment, cleaning, or replacement of the burner and associated equipment, in accordance with the manufacturer's specifications.

(b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO<sub>x</sub> and, to the extent practicable, CO.

(c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation, in accordance with the manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.****# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) This source consists of a batch HMA plant, model no. ST-500-106, manufactured by CMI Corp. The batch HMA plant is rated at 300 tons HMA/hr, and is comprised of the following operations and equipment:

- (1) Material stockpiles (cold aggregate).
- (2) On-site material transport and handling (i.e. front loaders and dump trucks).
- (3) Four cold aggregate feed bins.
- (4) Three conveyors (cold aggregate collection; cold aggregate to rotary dryer; pug mill to HMA storage silos).
- (5) A rotary dryer equipped with a No. 2 fuel oil- and WDLF-fired MegaStar burner, model no. MS10.75, manufactured by Hauck Manufacturing Co. The burner is rated at 82 mmBtu/hr heat input.
- (6) A bucket elevator leading from (a)(5), above, to a batch HMA plant tower [(a)(7), below].
- (7) A batch HMA plant tower consisting of the following:
  - (i) Vibrating screens.
  - (ii) Four cold feed bins.
  - (iii) Dust silo (feeds pugmill).
  - (iv) A weigh hopper.
  - (v) A pug mill (mixer).

**SECTION D. Source Level Requirements**

(8) Three (3) 30,000-gal liquid asphalt cement aboveground storage tanks (AST).

(9) A No. 2 fuel oil-fired heater manufactured by Meeker Equipment Co., model No. MKR-HOH-CTRL-ULTRAWEB 11R2-MOD. The heater is rated at 2.0 MMBtu/hr heat input, and provides heat to (a)(8), above, and the WDLF tank (Source ID FML02) (AST).

(10) Three (3) 200-ton (25,000-gal), electrically-heated HMA storage silos manufactured by Gencor Industries, Inc.

(11) Small Diesel tank, approx. 120 gallons (to lubricate the inclined conveyor between use).

(b) Emissions from the hot equipment indicated in (a)(5)–(7), above, including combustion gases, are ducted to the following equipment before exhausting into the outdoor atmosphere:

(1) A 12 ft-diameter cyclone (Source ID C02).

(2) A pneumatic, pulse jet baghouse (Source ID C01), model no. ST-12-684, manufactured by EssTee Manufacturing Co., Inc. The baghouse is equipped with an exhaust fan, serial no. A45670-1, manufactured by CMI Northern Blower, Inc., rated at 72,000 acfm exhaust gas flow, and uses 684 Nomex filter bags.

**# 028 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This batch HMA plant is subject to, and shall comply with all applicable provisions of, 40 C.F.R. Part 60, 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. The EPA copies shall be forwarded to:

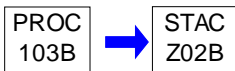
Associate Director  
Office of Air Enforcement and Compliance Assistance (3AP20)  
U.S. EPA, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

**SECTION D. Source Level Requirements**

Source ID: 103B

Source Name: RECLAIMED ASPHALT PAVEMENT (RAP) PLANT

Source Capacity/Throughput: 75.000 Tons/HR RAP

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This source is a RAP plant comprised of the following operations and equipment:

- (a) RAP material storage pile(s).
- (b) On-site material transport and handling (i.e. front loaders and dump trucks).
- (c) A RAP feed bin.
- (d) Five belt conveyors.
- (e) A 5-ft x 12-ft (width x length), double-deck screen, manufactured by Deister Machine Co., Inc. The screen is rated at 75 tons RAP/hr.
- (f) A crusher, model type/no. UltraMax 04 (UM04), manufactured by Eagle Crusher, Inc. The crusher is rated at 45 tons RAP/hr.
- (g) A pulse jet baghouse, model no. 10x6, manufactured by LMC West. The baghouse is rated at 4,600 acfm exhaust gas flow and uses 60 fabric filter bags. The baghouse is used to collect asphalt fines that become airborne as material is conveyed to the crusher or from the crusher.



**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		
101A	BATCH HOT MIX ASPHALT (HMA) PLANT		
Emission Limit		Pollutant	
350.000	PPMV	Dry Basis; Corrected to 15% O2	CO
85.000	PPMV	Dry Basis; Corrected to 15% O2	NOX
500.000	PPMV	Dry Basis	SOX
0.020	gr/DRY FT3	At the Outlet of the Associated Baghouse	TSP
17.700	Lbs/Hr	At the Outlet of the Associated Baghouse	TSP
60.000	PPMV	Dry Basis; Corrected to 15% O2	VOC

**Site Emission Restriction Summary**

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



**SECTION H. Miscellaneous.**

- (a) The plant address is: 887 Mill Creek Road, Rushland, PA 18956.
- (b) The following previously issued documents serve as the basis for certain terms and conditions set forth in this permit:
- (1) Operating Permit No. 09-310-018A.
  - (2) Operating Permit No. 09-303-027.
  - (3) RACT Operating Permit No. OP-09-0019.
  - (4) RFD No. 09-A01-344.
  - (5) Plan Approval No. 09-0019A.
- (c) The following sources have been determined by the Department to be insignificant sources of air emissions and, therefore, do not require additional restrictions, monitoring, or recordkeeping, except as indicated elsewhere in this permit. They are still subject to any applicable federal, state, and local regulations, including those indicated in Section C, of this permit:
- (1) A 15,000-gal No. 2 fuel oil AST (Source ID FML01).
  - (2) A 15,000-gal WDLF AST (Source ID FML02).
  - (3) 120-gal diesel tank for lubricating the enclosed inclined conveyor.
- (d) April 7, 2006. This permit (APS ID 322929, Auth ID 685933) has been amended to incorporate Plan Approval No. 09-0019B, for approving the installation of the existing Batch HMA Plant baghouse.
- (e) February 26, 2009. This permit (APS ID 686933, Auth ID 782948) has been amended to reflect a change of ownership from Miller & Son Paving Inc. to Miller Quarries.
- (f) July 19, 2012. This permit (APS ID 771327, Auth ID 923302) has been renewed for another 5-year term. This permit also:
- (1) Incorporates Plan Approval No. 09-0019C, for the addition of WDLF as a fuel for the Batch HMA Plant.
  - (2) Incorporates RFD No. 2752, for the installation of one 5x14 2 deck screen on the RAP Plant (Source ID 103A), prior to the crusher.
  - (3) Reflects a change in ownership from Miller Quarries to Naceville Materials. The plant name is now Miller Materials.
- (g) August 19, 2016. This permit (APS ID 917215, Auth ID 1140918) has been amended to revise various conditions in the permit. This permit also:
- (1) Incorporates RFD No. 4818, for the replacement of the existing RAP crusher (Source ID 103A) with a new RAP crusher (Source ID 103B).
  - (2) Incorporates RFD No. 5440, for the installation of a dust collector on the RAP Plant, to control fugitive emissions.
  - (3) Reflects a change in ownership from Naceville Materials to Naceville Materials Joint Venture. The plant name remains as Miller Materials.
- (h) January 26, 2018. This permit (APS ID 771327, Auth ID 1166578) has been renewed for another 5-year term. The permit also:
- (1) Incorporates RFD No. 6018, for the replacement of the existing rotary drum dryer burner associated with the asphalt plant (Source ID 101) with a new rotary drum dryer burner (Source ID 101A).
  - (2) The responsible official has been changed to John R. Kibblehouse, Jr.
- (i) This permit (APS ID 917215, Auth ID 1403909) is a renewal of State Only Operating Permit No. 09-00019, for another 5-year term. Per this permit:
- (1) The following sources have been decommissioned and removed from the operating permit: Source IDs 110, 111, 112, 113, 114, 115, C03, C04, C05, C06, and C07.
  - (2) Emission factors that were presented in the operating permit for the Batch HMA Plant have been removed.



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

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