



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

STATE ONLY NATURAL MINOR OPERATING PERMIT

Issue Date: July 1, 2021

Effective Date: July 1, 2021

Expiration Date: June 30, 2026

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: 17-00075

Natural Minor

Federal Tax Id - Plant Code: 27-1975400-1

Owner Information

Name: KINKEAD AGGREGATES LLC
Mailing Address: 2311 ROUTE 56 HWY E
HOMER CITY, PA 15748-6237

Plant Information

Plant: KINKEAD AGGREGATES LLC/BUENA VISTA MINE
Location: 17 Clearfield County 17905 Bell Township
SIC Code: 1481 Mining - Nonmetallic Minerals Services

Responsible Official

Name: BRYAN FORCE
Title: GENERAL PARTNER
Phone: (724) 794 - 2006 Email: bforce@eastamericaninc.com

Permit Contact Person

Name: BRYAN FORCE
Title: GENERAL PARTNER
Phone: (724) 794 - 2006 Email: bforce@eastamericaninc.com

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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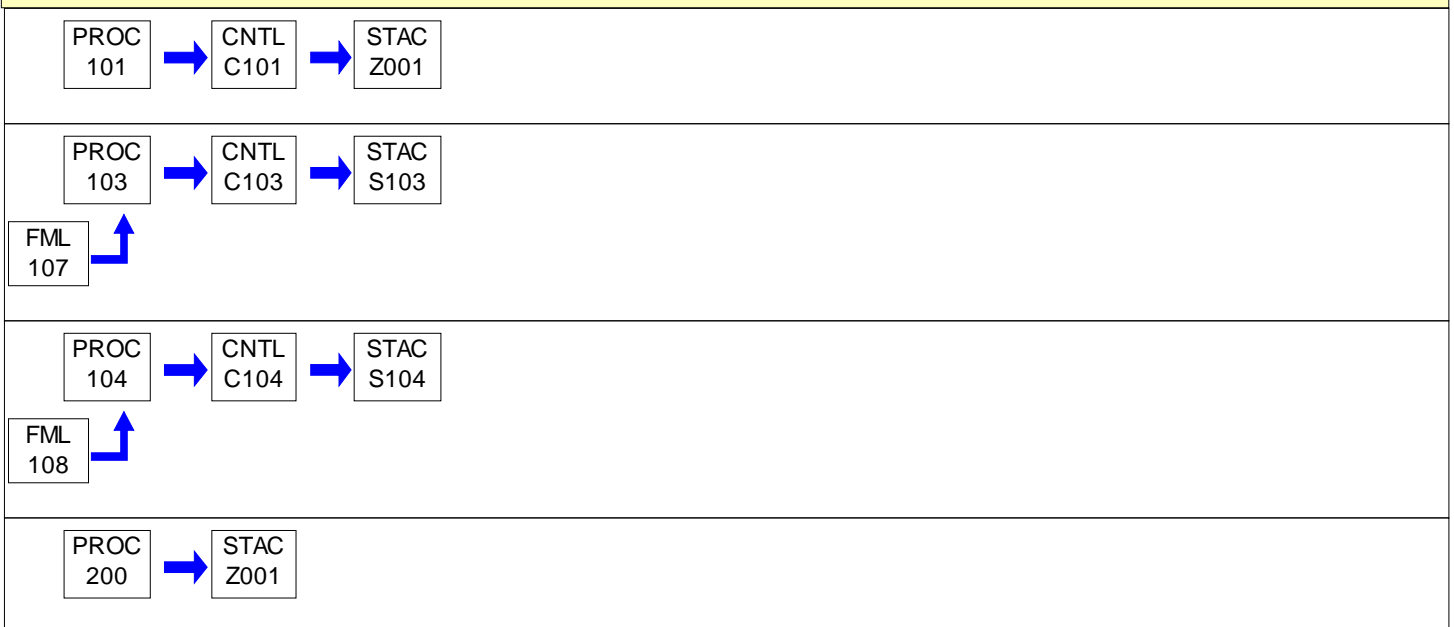
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	NONMETALLIC MINERAL PROCESSING PLANT	200.000 Tons/HR	SANDSTONE
103	GENERATOR #1/WESTERN-MOST VOLVO ENGINE	36.200 Gal/HR	Diesel Fuel
104	GENERATOR #2/EASTERN-MOST VOLVO ENGINE	36.200 Gal/HR	Diesel Fuel
200	UNPAVED SITE HAUL ROADS AND OPEN STORAGE PILES		
C101	WATER SPRAY DUST SUPPRESSION SYSTEM		
C103	OXIDATION CATALYST		
C104	OXIDATION CATALYST		
107	GEN SET FUEL TANK (1500 GALLONS)		
108	GEN SET FUEL TANK (2000 GALLONS)		
S103	GENERATOR 1 ENGINE EXHAUST STACK		
S104	GENERATOR 2 ENGINE EXHAUST 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.

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(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:

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- (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_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

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

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

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

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

**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

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

The permittee shall not permit the emission of fugitive air contaminants into the outdoor atmosphere 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.
- (7) Blasting in open pit mines. Emissions from drilling are not considered emissions from blasting.
- (8) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:

- (a) The emissions are of minor significance with respect to causing air pollution; and
- (b) 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**

The permittee shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in (1) through (8) in condition #001 section C herein if the emissions are visible at the point the emissions pass outside the permittee's property.

003 [25 Pa. Code §123.41]**Limitations**

The permittee shall not permit the emission of visible air contaminants into the outdoor atmosphere in such a manner that the opacity of the emission is either of the following:

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

004 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of 25 Pa Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations;
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions;
- (3) The emissions results from sources specified in (1) through (8) in condition #001 section C herein, unless an applicable federal emission standard applies.

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

The permittee shall not permit or allow the total amount of stone processed by the nonmetallic mineral plant (Sources ID 101 authorized herein) to exceed 340,000 tons in any 12 consecutive month period.

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

- (a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One hardcopy and one electronic copy shall be sent to the Northcentral Regional Office Air Quality Program Manager and one hardcopy and one electronic

**SECTION C. Site Level Requirements**

copy shall be sent to the PSIMS Administrator in Central Office. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.

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

(e) Pursuant to 25 Pa. Code § 139.3, all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(f) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(g) Pursuant to 25 Pa. Code § 139.53(a)(1) and 139.53(a)(3), one electronic copy and one hard copy of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager, with deadlines verified by postmark. In addition, one electronic copy and one hard copy shall be sent to the PSIMS Administrator in Central Office. Mail and email addresses are provided on the PA DEP website.

(h) The permittee shall insure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

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

If, at any time, the Department has cause to believe that air contaminant emissions from any of the sources authorized herein are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the Department may require the permittee to conduct tests deemed necessary by the Department to determine the actual emission rate(s). The permittee shall perform such tests in accordance with applicable provisions of 25 Pa. Code, Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department within one hundred and eighty (180) days of the date the Department notifies the permittee, in writing, of the testing requirement.

008 [25 Pa. Code §139.1]**Sampling facilities.**

Upon the request of the Department, the permittee 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.

009 [25 Pa. Code §139.11]**General requirements.**

(1) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the respective source is

SECTION C. Site Level Requirements

operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(2) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, at a minimum, all of the following:

- (a) A thorough source description, including a description of any air cleaning devices and the flue.
- (b) Process conditions, for example, the charging rate of raw materials or the rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (c) The location of sampling ports.
- (d) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂ and N₂), static and barometric pressures.
- (e) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (f) Laboratory procedures and results.
- (g) Calculated results.

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall conduct, during daylight hours and while source operations are occurring within the facility, weekly inspections to perform required monitoring using visual and olfactory observations for visible emissions, visible fugitive emissions and malodorous air contaminants that may occur during the inspections.

(1) Records of the weekly inspections shall be generated and kept in a logbook, which shall include all monitored information as required herein. If the facility is not in operation and no source operations authorized herein had occurred for a period of 7 consecutive days, the logbook shall provide certification that the monitoring was not required for the recorded period to verify compliance.

(b) Any visible emissions, visible fugitive emissions or malodorous air contaminants that have the potential to exceed the applicable requirement or standard shall be reported to a manager of the facility at once.

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain accurate and comprehensive information including records of production totals, fuel usage totals, and cumulative operating time for the facility on an annual basis, along with maintenance records on the source equipment and controls authorized herein.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall maintain and make available, upon request by the Department, a logbook including records of the weekly inspections performed by the permittee to verify compliance. The records shall include the following monitored information:

- (1) The name of the personnel who conducted the monitoring;

SECTION C. Site Level Requirements

- (2) The date and time of the monitoring;
 - (3) The identity of the sources and controls operating at the time of the monitoring;
 - (4) The results of the monitoring for each identified source;
 - (5) The reading from the pressure gauge monitor required for Source ID 101/C101; and
 - (6) The name of the manager informed and a description of the corrective actions and/or preventative measures, as applicable based on the recorded results of the monitoring.
- (b) The records shall be retained for a minimum of five (5) years.

014 [25 Pa. Code §135.5]**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with §§ 135.3 and 135.21 (relating to reporting; and emission statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

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

The permittee shall submit all requested reports in accordance with the Department's suggested format.

016 [25 Pa. Code §127.442]**Reporting requirements.**

- (a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.
- (c) The report shall describe the following:
 1. name, permit or authorization number, and location of the facility,
 2. nature and cause of the malfunction, emergency or incident,
 3. date and time when the malfunction, emergency or incident was first observed,
 4. expected duration of excess emissions,
 5. estimated rate of emissions,
 6. corrective actions or preventative measures taken.

**SECTION C. Site Level Requirements**

(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.

VI. WORK PRACTICE REQUIREMENTS.**# 017 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in (1) through (8) in condition #001 section C herein. These actions shall include, but not limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
- (2) Application of asphalt, oil, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

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

[Authority is also derived from 25 Pa. Code section 123.1]

(1) A highly visible notice shall be posted at the facility stating: "All loads on trucks shall be tarped, or have their loads sufficiently wetted before exiting so as to prevent fugitive particulate matter from becoming airborne."

(2) For trucks that are owned by, operated by, leased to, or contracted to the permittee, the permittee's parent company, or any companies affiliated with the permittee, it is the responsibility of the permittee to adequately tarp and/or wet its loads before the trucks exit the quarry property so as to prevent the fugitive particulate matter from becoming airborne.

(3) The permittee will not be responsible to assure compliance with tarping or wetting loads for trucks other than those under their control. However, the permittee shall provide truck load wetting equipment for any truck using its facility.

VII. ADDITIONAL REQUIREMENTS.**# 019 [25 Pa. Code §121.7]****Prohibition of air pollution.**

The permittee shall not permit air pollution as that term is defined in the Pennsylvania Air Pollution Control Act (35 P.S. Sections 4001 through 4015).

020 [25 Pa. Code §123.31]**Limitations**

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

**SECTION C. Site Level Requirements****# 021 [25 Pa. Code §129.14]****Open burning operations**

The permittee shall not permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

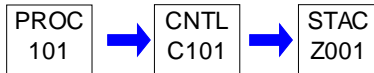
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: NONMETALLIC MINERAL PROCESSING PLANT

Source Capacity/Throughput: 200.000 Tons/HR SANDSTONE

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants
Standard for particulate matter.**

(a) The permittee shall meet the emission standards and compliance requirements of 40 CFR section 60.672 as applicable to the Jaw crusher of Source ID 101 authorized herein (Item #20-7489), including but may not be limited to the requirement to control fugitives while source operation is occurring to 15 percent opacity or below as applicable to the source pursuant to 40 CFR Part 60 subpart OOO.

(b) The permittee shall meet the emission standards and compliance requirements of 40 CFR section 60.672 as applicable to the Cone crusher of Source ID 101 authorized herein (Item #C070456), including but may not be limited to the requirement to control fugitives while source operation is occurring to 15 percent opacity or below as applicable to the source pursuant to 40 CFR Part 60 subpart OOO.

002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]**Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants
Standard for particulate matter.**

For each Source 101 authorized herein and listed below within this condition, the permittee shall meet the emission standards and compliance requirements of 40 CFR section 60.672 as applicable to the source, including but may not be limited to the requirement to control fugitives while source operation is occurring to 10 percent opacity or below as applicable to the source pursuant to 40 CFR Part 60 subpart OOO.

Item# NA/Unknown: conveyor 1 (30' Simplicity unit with maximum throughput capacity equal to 300 tph);
 Item# BTF02616: 6'x16' double deck (2D) vibratory screen;
 Items#408167: conveyor 2 (Kolberg series 47);
 Item# 408168: conveyor 3 (Kolberg series 47);
 Item# 408169: conveyor 4 (Kolberg series 47);
 Item# S072039: 6' x 20' triple deck (3D) vibratory screen;
 Item# 408170: conveyor 5, 24" x 100';
 Item# 408171: conveyor 6 (Kolberg series 47);
 Items#408172: conveyor 7 (Kolberg series 47);
 Item# 408173: conveyor 8 (Kolberg series 47);
 Item# 408174: conveyor 9 (Kolberg series 47);
 Item# 502269: 5'x12' vibratory screen; and
 Item# NA/Unknown: conveyor 10, 30" x 30'

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

[Authority is derived from 25 Pa. Code sections 127.1 and 127.12]

The air contaminant emissions from Sources ID 101 shall be controlled by an in-house built or custom water spray dust suppression system (Source ID C101 herein), which shall be operated on any and all occasions that Sources ID 101 are operated, except in those unusual instances where conditions are such that operation without C101 can take place without releasing air contaminant emissions in excess of the limitations and standards specified herein, including 25 Pa. Code

**SECTION D. Source Level Requirements**

Section 123.1 and 40 CFR 60.672. If, however, the ID C101 water spray dust suppression system is incapable of operation for any reason, such as freezing weather conditions, water supply issues, etc. Sources ID 101 authorized herein shall not be operated until normal operation of C101 is restored.

II. TESTING REQUIREMENTS.

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.675]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Test methods and procedures.

The permittee shall comply with all applicable testing requirements pertaining to Sources ID 101 authorized herein, as specified in 40 CFR section 60.675.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain a gauge to monitor the water pressure of the ID C101 water spray dust suppression system at all times Sources ID 101 authorized herein are in operation.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain and make available, upon request by the Department, records of the water pressure gauge readings required on a per operating day basis to verify normal operation of the ID C101 water spray dust suppression system.

As outlined elsewhere herein, operation without simultaneous operation of the water sprays can take place only in those unusual instances where processed materials contain sufficient moisture so as not to create air contaminant emissions in excess of the emission limitations and standards as applicable herein. For any of these operating days, if applicable, the permittee shall maintain supporting documentation, such as visual source operation inspection records, weather conditions occurring during source operations, etc. to verify that operation of Sources ID P101 authorized herein without ID C101 met all the terms and conditions of this operating permit.

007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]

Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants

Reporting and recordkeeping.

The permittee shall comply with all applicable recordkeeping requirements pertaining to Sources ID 101 authorized herein, as specified in 40 CFR section 60.676.

V. REPORTING REQUIREMENTS.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

Subpart A - General Provisions

Address.

In accordance with 40 CFR § 60.4, copies of all requests, reports, applications, submittals, and other communications shall also be submitted to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) accessible at <https://cdx.epa.gov> unless electronic reporting is not available, in which case a copy shall be sent to the following address:

United States Environmental Protection Agency, Region III
Office of Air Enforcement and Compliance Assistance (3AP20)
1650 Arch St.
Philadelphia, PA 19103-2029

**SECTION D. Source Level Requirements****# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.676]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Reporting and recordkeeping.**

The permittee shall comply with all applicable reporting requirements pertaining to Sources ID 101 authorized herein, as specified in 40 CFR section 60.676.

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

[Authority is derived from 25 Pa. Code sections 127.1 and 127.12]

The ID C101 water spray dust suppression system shall be equipped with spray nozzles in manner that provides for 100% coverage of the entire opening at each source location required below:

- Item# 20-7489: 250-tph Jaw crusher
- Item# C070456: 200-tph Cone crusher
- Item# BTF02616: 6'x16' double deck (2D) vibratory screen
- Item# S072039: 6' x 20' triple deck (3D) vibratory screen

More spray nozzles may be added to Source ID 101 without the necessity of obtaining Department approval, but none of the water sprays required above may be omitted, deleted or removed without prior Department approval.

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

[Authority is derived from 25 Pa. Code sections 127.1 and 127.12]

The ID C101 water spray dust suppression system shall be connected to an on-demand water source capable of delivering an adequate supply of water at any time Source ID 101 is in operation. On-demand shall be interpreted as meaning that adequate water can be provided to all spray nozzles at any time with no more effort than turning a valve. If at any time the C101 system is inoperable or is unable to provide an adequate supply of water the permittee shall immediately cease operation of Sources ID 101.

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

Sources ID 101 authorized herein are the following nonmetallic mineral processing sources that are part of the crushing and screening operations within the facility:

- Item# 20-7489: 250-tph Jaw crusher
- Item# C070456: 200-tph Cone crusher
- Item# NA/Unknown: conveyor 1 (30' Simplicity unit with maximum throughput capacity equal to 300 tph);
- Item# BTF02616: 6'x16' double deck (2D) vibratory screen;
- Items#408167: conveyor 2 (Kolberg series 47);
- Item# 408168: conveyor 3 (Kolberg series 47);
- Item# 408169: conveyor 4 (Kolberg series 47);
- Item# S072039: 6' x 20' triple deck (3D) vibratory screen;
- Item# 408170: conveyor 5, 24" x 100';
- Item# 408171: conveyor 6 (Kolberg series 47);
- Items#408172: conveyor 7 (Kolberg series 47);
- Item# 408173: conveyor 8 (Kolberg series 47);
- Item# 408174: conveyor 9 (Kolberg series 47);
- Item# 502269: 5'x12' vibratory screen; and
- Item# NA/Unknown: conveyor 10, 30" x 30'

**SECTION D. Source Level Requirements**

Any of the above equipment can be replaced without obtaining plan approval provided that the replacement equipment is of equal or smaller size as defined in Subpart 000 of the federal Standards of Performance for New Stationary Sources, 40 CFR 60.670 through 60.676, and provided that the replacement equipment is of equivalent design and function (e.g., a jaw crusher may be replaced with a jaw crusher).

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]**Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

Sources ID 101 authorized herein are subject to the federal Standards of Performance for New Stationary Sources as codified in 40 CFR Part 60 subpart 000. The permittee shall comply with all applicable requirements pertaining to Sources ID 101 authorized herein, as specified in 40 CFR sections 60.670 through 60.676.

**SECTION D. Source Level Requirements**

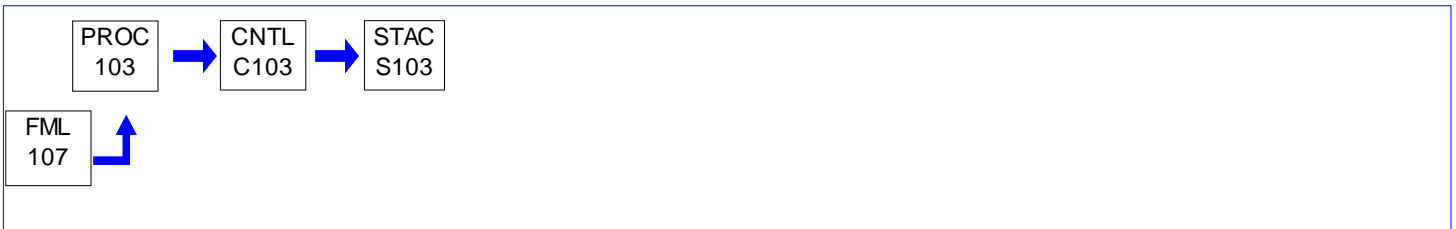
Source ID: 103

Source Name: GENERATOR #1/WESTERN-MOST VOLVO ENGINE

Source Capacity/Throughput:

36.200 Gal/HR

Diesel Fuel

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

Pursuant to best available technology requirements of 25 Pa. Code sections 127.1 and 127.12, the Source ID 103 engine authorized herein shall be installed with the ID C103 Oxidation Catalyst to reduce CO within the engine exhaust by a minimum 90% control efficiency prior to discharge into the outdoor atmosphere. In addition, the engine shall at a minimum comply the emission standards, as follows: 6.9 grams NOx per bhp-hr; 1.0 grams THC per bhp-hr; and 0.4 grams PM per bhp-hr, unless an otherwise more stringent federal requirement or standard applies.

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

[Compliance with the emission standards herein ensure compliance with the applicable emission standards from 25 Pa. Code section 123.41]

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person shall permit the emissions into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emissions from the Source ID 103 engine authorized herein is equal to or greater than 10% for a period or period aggregating more than three (3) minutes in any one (1) hour and equal to or greater than 30% at any time.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4201]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for non-emergency engines if I am a stationary CI internal combustion engine ma**

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later non-emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 kilowatt (KW) (3,000 horsepower (HP)) and a displacement of less than 10 liters per cylinder to the certification emission standards for new nonroad CI engines in 40 CFR 89.112, 40 CFR 89.113, 40 CFR 1039.101, 40 CFR 1039.102, 40 CFR 1039.104, 40 CFR 1039.105, 40 CFR 1039.107, and 40 CFR 1039.115, as applicable, for all pollutants, for the same model year and maximum engine power.

(b) - (h) N/A

In accordance with the above and any other applicable NSPS requirements from 40 CFR Part 60 subpart III, the Source ID 103 engine authorized herein shall comply with the emissions standards derived from 40 CFR 89.112, as follows, based on the 604-kW rated power mfg. specification and the 2007 model year for the engine:

6.4 g/kW-hr for NMHC + NOx or approximately 4.8 g/bhp-hr;

3.5 g/kW-hr for CO or approximately 2.6 g/bhp-hr; and

0.20 g/kW-hr for PM or approximately 0.15 g/bhp-hr.

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4204]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for non-emergency engines if I am an owner or operator of a stationary CI intern**

(a) N/A

**SECTION D. Source Level Requirements**

(b) Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in §60.4201 for their 2007 model year and later stationary CI ICE, as applicable.

Fuel Restriction(s).**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. The Source ID 103 engine authorized shall only be operated using diesel fuel to which no used oil or other waste materials are added. All diesel fuel shipments accepted for Source 103 after the above date shall comply with the following ULSD standards taken from 40 CFR 1090.305.

- (1) Sulfur standard. Maximum sulfur content of 15 ppm.
- (2) Cetane index or aromatic content. Diesel fuel must meet one of the following standards:
 - (i) Minimum cetane index of 40.
 - (ii) Maximum aromatic content of 35 volume percent.

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

The permittee shall not permit or allow any person to operate the Source ID 103 engine authorized herein in excess of a total of 1,700 hours in any 12 consecutive month period, pursuant to Best Available Technology for NOx.

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

The permittee shall resume performance of compliance monitoring or portable gas analyzer testing on Source ID 103 to verify compliance for NOx and CO, using test procedures and equipment acceptable to the Department, if the engine is operated in excess of 500 hours in any calendar year.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

- (1) N/A
- (2) N/A
- (3) If you are an owner or operator of a stationary CI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in

**SECTION D. Source Level Requirements**

accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

(h) N/A

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate and maintain a non-resettable hour meter for Source ID 103 to continuously monitor cumulative runtime and total number of operating hours of the engine by taking readings from the hour meter on a monthly basis, at minimum, in order to maintain the records to verify compliance, as required below.

IV. RECORDKEEPING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep accurate and comprehensive records of the following information pertaining to operation of Source ID 103 authorized herein:

- a) total number of operating hours through the non-resettable hour meter on a monthly and 12-month rolling basis, as well as the supporting calculations and monthly hour meter readings taken to verify compliance,
- b) total amount of fuel used on a calendar year basis,
- c) for each delivery of diesel fuel accepted to operate the engine, a copy of the fuel certification report that verifies compliance with the above fuel sulfur restriction and other parameter,
- d) maintenance and any repairs performed on the engine.

The information generated to comply with the above shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

- (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;
- (2) Change only those emission-related settings that are permitted by the manufacturer; and
- (3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) N/A

**SECTION D. Source Level Requirements**

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

(d) thru (f) N/A

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

Source ID 103 is the 749HP Volvo diesel engine, type/model TAD1642GE, utilized to provide power to the Jaw crusher authorized within Source ID 101 herein. The permittee shall not operate Source ID 103 without the required CO control device installation - ID C103 Oxidation Catalyst. The CO emissions from Source ID 103 shall be controlled by ID C103. Each shall be operated and maintained in a manner consistent with good operating and maintenance practices and according to the manufacturer's specifications and the applicable terms and conditions of this operating permit.

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

Source 103 is subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, as codified in 40 CFR Part 63 subpart ZZZZ. The permittee shall comply with all applicable requirements pertaining to the Source ID 103 engine authorized herein, as specified in 40 CFR sections 63.6580 through 63.6675.

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

Source 103 is subject to the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, as codified in 40 CFR Part 60 subpart IIII. The permittee shall comply with all applicable requirements pertaining to the Source ID 103 engine authorized herein, as specified in 40 CFR sections 60.4200 through 60.4219.

**SECTION D. Source Level Requirements**

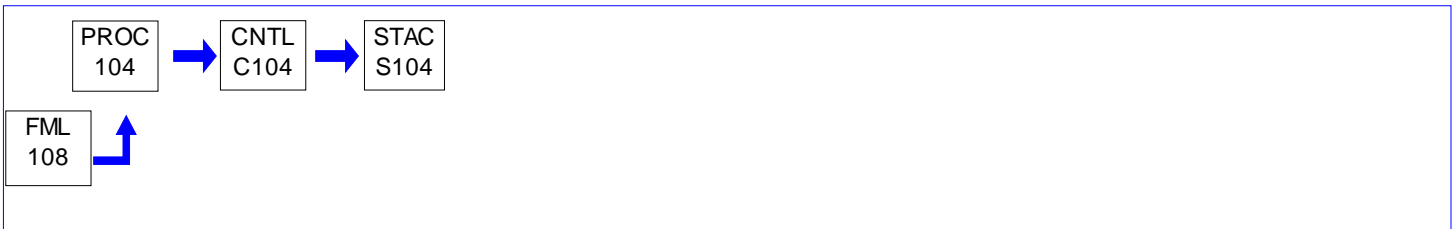
Source ID: 104

Source Name: GENERATOR #2/EASTERN-MOST VOLVO ENGINE

Source Capacity/Throughput:

36.200 Gal/HR

Diesel Fuel

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

Pursuant to best available technology requirements of 25 Pa. Code sections 127.1 and 127.12, the Source ID 104 engine authorized herein shall be installed with the ID C104 Oxidation Catalyst to reduce CO within the engine exhaust by a minimum 90% control efficiency prior to discharge into the outdoor atmosphere. In addition, the engine shall at a minimum comply the emission standards, as follows: 6.9 grams NOx per bhp-hr; 1.0 grams THC per bhp-hr; and 0.4 grams PM per bhp-hr, unless an otherwise more stringent federal requirement or standard applies.

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

[Compliance with the emission standards herein ensure compliance with the applicable emission standards from 25 Pa. Code section 123.41]

Pursuant to best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no person shall permit the emissions into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emissions from the Source ID 104 engine authorized herein is equal to or greater than 10% for a period or period aggregating more than three (3) minutes in any one (1) hour and equal to or greater than 30% at any time.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4201]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for non-emergency engines if I am a stationary CI internal combustion engine ma**

(a) Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later non-emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 kilowatt (KW) (3,000 horsepower (HP)) and a displacement of less than 10 liters per cylinder to the certification emission standards for new nonroad CI engines in 40 CFR 89.112, 40 CFR 89.113, 40 CFR 1039.101, 40 CFR 1039.102, 40 CFR 1039.104, 40 CFR 1039.105, 40 CFR 1039.107, and 40 CFR 1039.115, as applicable, for all pollutants, for the same model year and maximum engine power.

(b) - (h) N/A

In accordance with the above and any other applicable NSPS requirements from 40 CFR Part 60 subpart III, the Source ID 104 engine authorized herein shall comply with the emissions standards derived from 40 CFR 89.112, as follows, based on the 604-kW rated power mfg. specification and the 2007 model year for the engine:

6.4 g/kW-hr for NMHC + NOx or approximately 4.8 g/bhp-hr;
 3.5 g/kW-hr for CO or approximately 2.6 g/bhp-hr; and
 0.20 g/kW-hr for PM or approximately 0.15 g/bhp-hr.

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4204]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for non-emergency engines if I am an owner or operator of a stationary CI intern**

(a) N/A

**SECTION D. Source Level Requirements**

(b) Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in §60.4201 for their 2007 model year and later stationary CI ICE, as applicable.

Fuel Restriction(s).**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted. The Source ID 104 engine authorized shall only be operated using diesel fuel to which no used oil or other waste materials are added. All diesel fuel shipments accepted for Source 104 after the above date shall comply with the following ULSD standards taken from 40 CFR 1090.305.

- (1) Sulfur standard. Maximum sulfur content of 15 ppm.
- (2) Cetane index or aromatic content. Diesel fuel must meet one of the following standards:
 - (i) Minimum cetane index of 40.
 - (ii) Maximum aromatic content of 35 volume percent.

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

The permittee shall not permit or allow any person to operate the Source ID 104 engine authorized herein in excess of a total of 1,700 hours in any 12 consecutive month period, pursuant to Best Available Technology for NOx.

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

The permittee shall resume performance of compliance monitoring or portable gas analyzer testing on Source ID 104 to verify compliance for NOx and CO, using test procedures and equipment acceptable to the Department, if the engine is operated in excess of 500 hours in any calendar year.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

- (1) N/A
- (2) N/A
- (3) If you are an owner or operator of a stationary CI internal combustion engine greater than 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in

**SECTION D. Source Level Requirements**

accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. You must conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter to demonstrate compliance with the applicable emission standards.

(h) N/A

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall install, operate and maintain a non-resettable hour meter for Source ID 104 to continuously monitor cumulative runtime and total number of operating hours of the engine by taking readings from the hour meter on a monthly basis, at minimum, in order to maintain the records to verify compliance, as required below.

IV. RECORDKEEPING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep accurate and comprehensive records of the following information pertaining to operation of Source ID 104 authorized herein:

- a) total number of operating hours through the non-resettable hour meter on a monthly and 12-month rolling basis, as well as the supporting calculations and monthly hour meter readings taken to verify compliance,
- b) total amount of fuel used on a calendar year basis,
- c) for each delivery of diesel fuel accepted to operate the engine, a copy of the fuel certification report that verifies compliance with the above fuel sulfur restriction and other parameter,
- d) maintenance and any repairs performed on the engine.

The information generated to comply with the above shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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.

011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this section:

- (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;
- (2) Change only those emission-related settings that are permitted by the manufacturer; and
- (3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) N/A

SECTION D. Source Level Requirements

(c) If you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in §60.4204(b) or §60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in §60.4205(c), you must comply by purchasing an engine certified to the emission standards in §60.4204(b), or §60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this section.

(d) thru (f) N/A

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

Source ID 104 is the 749HP Volvo diesel engine, type/model TAD1642GE, utilized to provide power to the Cone crusher authorized within Source ID 101 herein. The permittee shall not operate Source ID 104 without the required CO control device installation - ID C104 Oxidation Catalyst. The CO emissions from Source ID 104 shall be controlled by ID C104. Each shall be operated and maintained in a manner consistent with good operating and maintenance practices and according to the manufacturer's specifications and the applicable terms and conditions of this operating permit.

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

Source ID 104 is subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, as codified in 40 CFR Part 63 subpart ZZZZ. The permittee shall comply with all applicable requirements pertaining to the Source ID 104 engine authorized herein, as specified in 40 CFR sections 63.6580 through 63.6675.

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

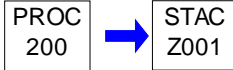
Source ID 104 is subject to the Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, as codified in 40 CFR Part 60 subpart IIII. The permittee shall comply with all applicable requirements pertaining to the Source ID 104 engine authorized herein, as specified in 40 CFR sections 60.4200 through 60.4219.

SECTION D. Source Level Requirements

Source ID: 200

Source Name: UNPAVED SITE HAUL ROADS AND OPEN STORAGE PILES

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

[Authority is derived from 25 Pa. Code sections 127.1 and 127.12]

An operable water truck equipped with a pressurized spray bar and a pressurized spray gun or hose connection shall be kept on site and filled with water at all times that Sources ID 101 authorized herein are in operation. In addition, this water truck shall be used, as needed, for the prevention and control of fugitives from roadways, stockpiles, truck loading activities, etc.

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

Sources ID 200 are comprised of the unpaved site haul roads within the facility and any open nonmetallic mineral storage piles on site.



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

The facility is also including a small <100 hp diesel engine powering a shop welder which is deemed an insignificant source. However, this does not relieve the source from complying with all other applicable requirements from 25 Pa. Code Chapter 121 through 145 of Title 25 Article III of the rules and regulations of the PA Department of Environmental Protection.



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