



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: July 19, 2019

Effective Date: July 19, 2019

Expiration Date: July 18, 2024

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

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

State Only Permit No: 46-00253

Synthetic Minor

Federal Tax Id - Plant Code: 23-3064004-1

Owner Information

Name: VALLEY FORGE INC  
Mailing Address: 462 GLENNIE CIR  
KING OF PRUSSIA, PA 19406-2628

Plant Information

Plant: VALLEY FORGE INC/KING OF PRUSSIA  
Location: 46 Montgomery County 46955 Upper Merion Township  
SIC Code: 4953 Trans. & Utilities - Refuse Systems

Responsible Official

Name: WILLIAM GALLAGHER  
Title: PRES  
Phone: (610) 277 - 1983

Permit Contact Person

Name: WILLIAM GALLAGHER  
Title: PRES  
Phone: (610) 277 - 1983

[Signature] \_\_\_\_\_  
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

**SECTION A. Table of Contents****Section A. Facility/Source Identification**

Table of Contents  
Site Inventory List

**Section B. General State Only Requirements**

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #015 Reactivation
- #016 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.

**Section C. Site Level State Only Requirements**

- C-I: Restrictions
- C-II: Testing Requirements
- C-III: Monitoring Requirements
- C-IV: Recordkeeping Requirements
- C-V: Reporting Requirements
- C-VI: Work Practice Standards
- C-VII: Additional Requirements
- C-VIII: Compliance Certification
- C-IX: Compliance Schedule

**Section D. Source Level State Only Requirements**

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements
- D-VI: Work Practice Standards
- D-VII: Additional Requirements

Note: These same sub-sections are repeated for each source!

**Section E. Alternative Operating Scenario(s)**

- E-I: Restrictions
- E-II: Testing Requirements
- E-III: Monitoring Requirements



**SECTION A. Table of Contents**

- E-IV: Recordkeeping Requirements
- E-V: Reporting Requirements
- E-VI: Work Practice Standards
- E-VII: Additional Requirements

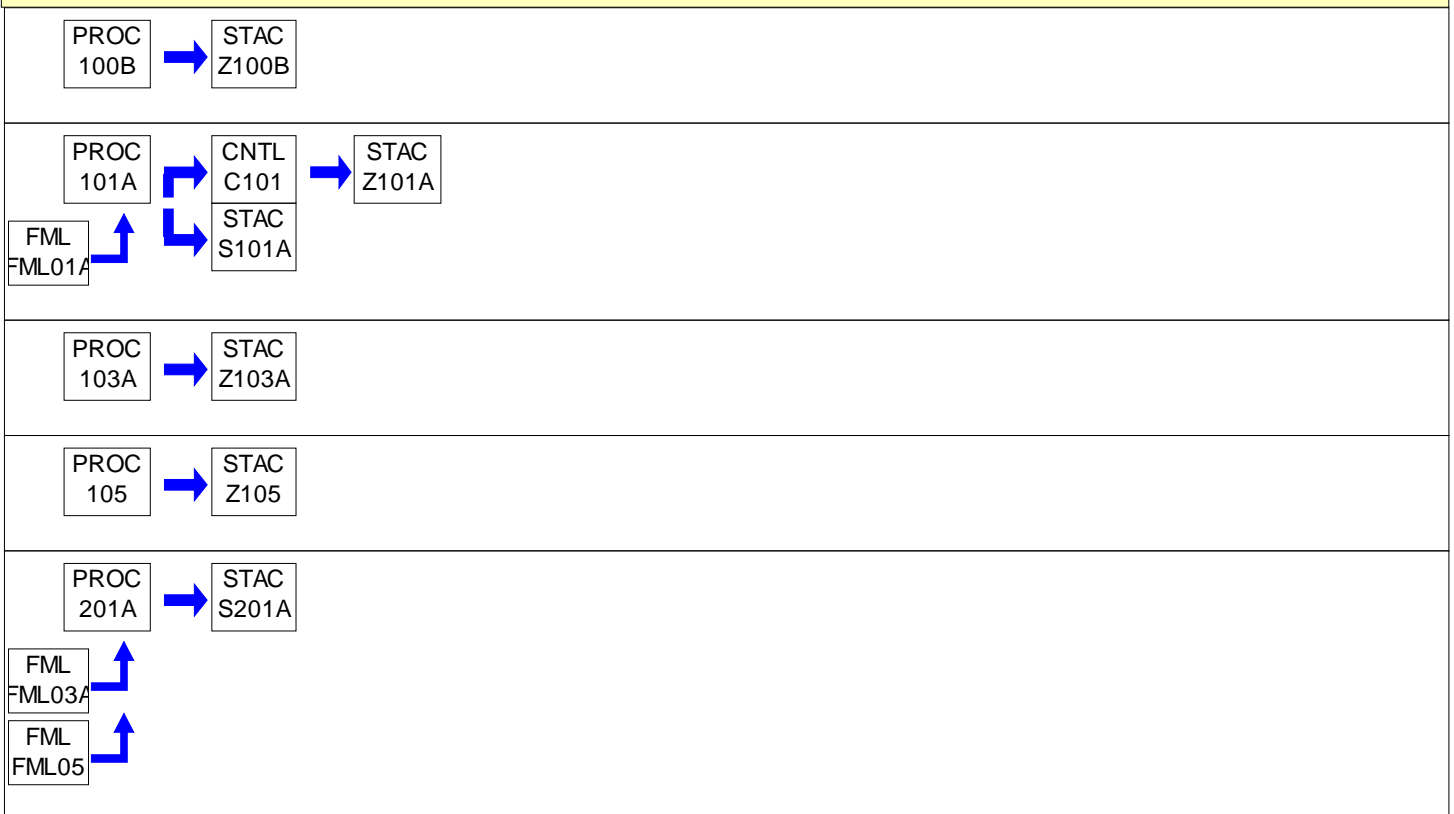
**Section F. Emission Restriction Summary**

**Section G. Miscellaneous**

**SECTION A. Site Inventory List**

| Source ID | Source Name  | Capacity/Throughput | Fuel/Material |
|-----------|--|---------------------|---------------|
| 100B      | MATERIAL TRANSPORT, HANDLING, & STOCKPILES                   |                     |               |
| 101A      | PORTABLE CONCRETE CRUSHING/SCREENING PLANT                   | 250.000 Tons/HR     | CONCRETE      |
|           |  | 17.070 Gal/HR       | Diesel Fuel   |
| 103A      | TUB GRINDER  |                     |               |
| 105       | SOIL SCREENER  |                     |               |
| 201A      | PLAN APPROVAL-EXEMPT ENGINES (2)                             | 40.810 Gal/HR       | Diesel Fuel   |
| C101      | PORT CONCRETE CRUSH/SCREEN PLT WATER SPRAY DUST SUPPRESS SYS |                     |               |
| FML01A    | PORTABLE CONCRETE CRUSH/SCREEN PLANT ENGINE DIESEL FUEL TANK |                     |               |
| FML03A    | TUB GRINDER ENGINE DIESEL FUEL TANK                          |                     |               |
| FML05     | SOIL SCREENER ENGINE DIESEL FUEL TANK                        |                     |               |
| S101A     | PORTABLE CONCRETE CRUSHING/SCREENING PLANT ENGINE STACK      |                     |               |
| S201A     | PLAN APPROVAL-EXEMPT ENGINES STACKS (2)                      |                     |               |
| Z100B     | MATL TRANSPORT, HANDLING, & STOCKPILES FUGITIVE EMISSIONS    |                     |               |
| Z101A     | PORTABLE CONCRETE CRUSH/SCREEN PLANT FUGITIVE EMISSIONS      |                     |               |
| Z103A     | TUB GRINDER FUGITIVE EMISSIONS                               |                     |               |
| Z105      | SOIL SCREENER FUGITIVE EMISSIONS                             |                     |               |

**PERMIT MAPS**



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

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

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

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

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

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
  - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

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

- (a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):
- (1) Three hundred dollars for applications filed during the 2000-2004 calendar years.
  - (2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

**SECTION B. General State Only Requirements**

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

**SECTION B. General State Only Requirements**

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (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]****Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

**SECTION B. General State Only Requirements**

significant operating permit modifications, under this permit, as outlined below:

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

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

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

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

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

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

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

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

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

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

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

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

(2) One ton of NO<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 C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

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 # 008(a)–(e), Section C, of this permit).
- (g) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (h) Coke oven batteries, provided that the fugitive air contaminant emissions from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15.
- (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**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in Condition # 002(a)–(i), Section C, of this permit, occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

**# 004 [25 Pa. Code §123.31]****Limitations**

[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 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).]

**SECTION C. Site Level Requirements**

Except as specified in Condition # 002, Section D (under Source ID 101A), of this permit, the permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from this facility occurs in such a manner that the opacity of the emission is neither of the following:

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

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

The emission restrictions specified in 25 Pa. Code § 123.41 (see Condition # 005(a)–(b), Section C, of this permit) shall not apply to a visible air contaminant 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 restrictions.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from sources specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(i), Section C, of this permit).

**# 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 nitrogen oxides (NO<sub>x</sub>) from this facility occurs in such a manner that the rate of the emission is less than 25 tons/yr, calculated monthly as a 12-month rolling sum.

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

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

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

- (a) If, at any time, the Department has cause to believe that air contaminant emissions from any source(s) listed in

**SECTION C. Site Level Requirements**

Sections A or G, of 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.****# 010 [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.

**# 011 [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; see Condition # 004, Section C, of this permit).
- (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42; see Conditions # 005–006, Section C, of this permit, respectively).
- (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2; see Conditions # 002–003, Section C, of this permit, respectively).

(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.

**# 012 [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 NO<sub>x</sub> emissions.
- (b) The total PM emissions.

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 70.6(a)(3)(ii)(B) and 25 Pa. Code § 127.443(b).]

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

[Compliance with this streamlined permit condition assures compliance with 40 C.F.R. § 60.7(f).]

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

(a) The permittee shall maintain records of all monitoring of odors, visible air contaminant emissions, and fugitive air contaminant emissions, including deviations from the conditions found in Conditions # 002–005, Section C, of this permit. All records of deviations shall include, at a minimum, the following for each incident:

- (1) A description of the deviation.
- (2) The source(s) and/or associated air pollution control device(s) and location(s).
- (3) The duration (including the starting and ending date(s) and times).
- (4) The cause(s).
- (5) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

(b) The monitoring shall be recorded and maintained in a Department-approved format and time frame.

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

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

- (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.

**# 016 [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 NO<sub>x</sub> emissions.
- (b) The total PM emissions.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.7(b), and 25 Pa. Code Chapter 122 and

**SECTION C. Site Level Requirements**

§ 127.443(b).]

- (a) The permittee shall, within 2 hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction(s) of a source(s) and/or associated air pollution control device(s) listed in Sections A or G, of this permit, that results in, or may possibly result in, the emission of air contaminants 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.
- (b) The permittee shall immediately report to the Department, by telephone at the above number, any malfunction(s) that occurs at this facility and poses an imminent danger to public health, safety, welfare, and the environment, or would violate permit conditions if the source(s) and/or associated air pollution control device(s) were to continue to operate after the malfunction(s).
- (c) The permittee shall submit, to the Department, a written report within 2 working days following the notification of the incident. The report shall include, at a minimum, the following:
- (1) A description of the malfunction(s).
  - (2) The source(s) and/or associated air pollution control device(s) and location(s).
  - (3) The duration (including the starting and ending date(s) and times).
  - (4) The cause(s).
  - (5) The emission(s).
  - (6) Any corrective action(s) taken.

**# 018 [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 requirements of the Clean Air Act, 40 C.F.R. Part 68 (relating to chemical accident prevention provisions), and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) that meets the requirements of Section 112(r) of the Clean Air Act, 40 C.F.R. Part 68, and the Federal Chemical Safety Information, Site Security, and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at 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 the requirements 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 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



**SECTION C. Site Level Requirements**

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 the requirements 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 requirements 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 requirements of Section 112(r) of the Clean Air Act and 40 C.F.R. Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.

**# 019 [25 Pa. Code §135.3]****Reporting**

(a) If the permittee has been previously advised by the Department to submit a source report, the permittee shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information from each previously-reported source(s), a new source(s) that was first operated during the preceding calendar year, and each source(s) modified during the same period that was not previously reported, including any source(s) listed in Section G, of this permit.

(b) The permittee may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

**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).]

The permittee shall take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 002(a)–(i), Section C, of this permit) from becoming airborne. These actions shall include, but not be limited to, the following:

(a) Use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

(b) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces that may give rise to airborne dusts. All affected portions of dirt roads, material stockpiles, and other surfaces shall be wetted at least twice per operating day, or as needed.

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved roads onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means. At the minimum, all affected portions of paved roads shall be swept as needed.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. § 60.11(d), and 25 Pa. Code Chapter 122 and §§ 127.443(b) and 127.444.]

**SECTION C. Site Level Requirements**

The permittee shall ensure that the source(s) and associated air pollution control device(s) listed in Sections A and G, of this permit, are operated and maintained in a manner consistent with good safety, operation and maintenance, and air pollution control practices, and in accordance with the manufacturers' 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 pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable restrictions, if at any time the operation of a source(s) listed in Sections A or G, of this permit, is causing the emission of air contaminants 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.

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

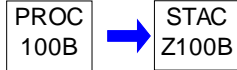
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 100B

Source Name: MATERIAL TRANSPORT, HANDLING, &amp; STOCKPILES

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.**

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

This source grouping consists of all material stockpiles and associated transport and handling at the facility, as follows:

(a) On-site material transport and handling, as follows:

- (1) From off site to part or all of the material stockpiles indicated in (b)(1)–(3), (6)–(7), (9), and (12), below.
- (2) From part or all of the material stockpiles indicated in (b)(1)–(3) and (14), below, to the portable concrete crushing/screening plant (Source ID 101A).
- (3) From all or part of the material stockpiles indicated in (b)(6)–(8), below, to the tub grinder (Source ID 103A).
- (4) From all or part of the material stockpiles indicated in (b)(9)–(13), below, to the soil screener (Source ID 105).
- (5) From part or all of the material stockpiles indicated in (b)(1)–(5), (8) and (10)–(13), below, to off site.

(b) The following material stockpiles:

**SECTION D. Source Level Requirements**

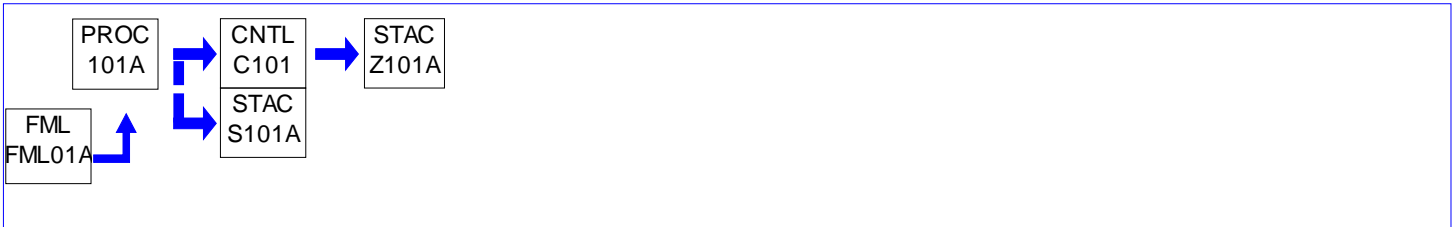
- (1) Concrete material stockpiles (both before and after processing by the portable concrete crushing/screening plant).
  - (2) Masonry (i.e., brick and/or block) material stockpiles (both before and after processing by the portable concrete crushing/screening plant).
  - (3) Asphalt material stockpiles (both before and after processing by the portable concrete crushing/screening plant).
  - (4) A heavier metal material stockpile. The heavier metal is culled from the concrete in (b)(1), above, before the concrete is processed by the portable concrete crushing/screening plant.
  - (5) A rebar material stockpile.
  - (6) A wood material stockpile(s).
  - (7) A dirt/wood material stockpile(s).
  - (8) Mulch material stockpiles (at varying stages of processing (e.g., first grind, second grind)).
  - (9) Composted leaves material stockpiles (at varying levels of decomposition; both before and after processing by the soil screener).
  - (10) A humus material stockpile(s) (both before and after processing by the soil screener).
  - (11) A humus/topsoil material stockpile (both before and after processing by the soil screener).
  - (12) A dirt/clean fill material stockpile(s) (both before and after processing by the soil screener).
  - (13) Topsoil material stockpiles (at varying stages of processing [e.g., unscreened, finished]; both before and after processing by the soil screener).
  - (14) Stone material stockpiles.
- (c) Turning of the composted leaves in (b)(9), above.

**SECTION D. Source Level Requirements**

Source ID: 101A

Source Name: PORTABLE CONCRETE CRUSHING/SCREENING PLANT

Source Capacity/Throughput: 250.000 Tons/HR CONCRETE  
17.070 Gal/HR Diesel Fuel



**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 40 C.F.R. § 60.4204(a) and (e), and 25 Pa. Code Chapter 122 and §§ 127.1 and 127.443(b).]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the engine of this portable concrete crushing/screening plant do not exceed the following rates:

| Pollutant(s) | g/bkW-hr (g/bhp-hr) | Lbs/hr | Tons/yr |
|--------------|---------------------|--------|---------|
| CO           | 2.7 (2.0)           | 1.59   | 1.47    |
| HCS          | 1.3 (1.0)           | 0.79   | 0.73    |
| NOx          | 9.2 (6.9)           | 5.48   | 5.06    |
| PM           | 0.54 (0.40)         | 0.32   | 0.29    |

Tons/yr = Tons per 12-month rolling period, calculated monthly.

CO = Carbon monoxide.

HCS = Hydrocarbons.

[Compliance with this streamlined permit condition assures compliance with the applicable brake-specific CO emission restriction specified in 40 C.F.R. Part 60, Subpart IIII, Table 1; and 25 Pa. Code § 123.13(c).]

**# 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 visible air contaminants from the engine of this portable concrete crushing/screening plant occurs in such a manner that the opacity of the emission is neither of the following:

- (a) Equal to or greater than 10% for a period or periods aggregating more than 3 minutes in any 1 hour.
- (b) Equal to or greater than 30% at any time.

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

**Fuel Restriction(s).**

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 60.4207(b) and 80.510(c)(1)–(2) and 25 Pa. Code Chapter 122.]



**SECTION D. Source Level Requirements**

The permittee shall ensure that diesel fuel is the only fuel consumed by the engine of this portable concrete crushing/screening plant. The diesel fuel shall comply with the following per-gallon standards:

- (a) The sulfur content shall not exceed 15 ppm, by weight (0.0015%, by weight).
- (b) Either/both of the following:
  - (1) The cetane index shall be equal to or greater than 40.
  - (2) The aromatic content shall not exceed 35%, by volume.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

**Operation Hours Restriction(s).**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall ensure that the total operating time of the engine of this portable concrete crushing/screening plant does not exceed 1,849 hours per year.

**II. TESTING REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

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

(a) The following testing requirements are applicable to the diesel fuel consumed by the engine of this portable concrete crushing/screening 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 ASTM standards may be used:

| Constituent/Property | ASTM Standards               |
|----------------------|------------------------------|
| Sulfur Content       | D129, D1552, D3227, or D4294 |
| Cetane Index         | D613, D976, or D4737         |
| Aromatic Content     | D5186 or D5292               |

(b) The testing requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of diesel fuel in the event that the permittee obtains either a laboratory analysis or other certification (e.g., delivery receipt) from the fuel supplier indicating the sulfur content or maximum sulfur content, and cetane index and/or aromatic content, of the diesel fuel.

**III. MONITORING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall monitor the following operating parameters for this portable concrete crushing/screening plant on an operating day basis:

- (a) The hours of operation.
- (b) The following for each material processed:

**SECTION D. Source Level Requirements**

- (1) The type.
- (2) The amount.

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

The permittee shall monitor the following operating parameters for the engine of this portable concrete crushing/screening plant on a monthly basis:

- (a) The hours of operation.
- (b) The amount of diesel fuel consumed (gallons).

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

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

- (1) The total PM emissions.
- (2) The total PM less than 10 µm in aerodynamic diameter (PM-10) emissions.
- (3) The total PM less than 2.5 µm in aerodynamic diameter (PM-2.5) emissions.

(b) The permittee shall calculate the following emissions from the engine of the crushing/screening plant, using a Department-approved method(s):

- (1) The CO emissions, on a monthly and 12-month rolling basis.
- (2) The HC emissions, on a monthly and 12-month rolling basis.
- (3) The NOx emissions, on a monthly, ozone season, and 12-month rolling basis.
- (4) The PM emissions, on a monthly and 12-month rolling basis.

**IV. RECORDKEEPING REQUIREMENTS.**

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

The permittee shall maintain records of the following operating parameters for this portable concrete crushing/screening plant on an operating day basis:

- (a) The hours of operation.
- (b) The following for each material processed:
  - (1) The type.
  - (2) The amount.

**# 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).]

The permittee shall maintain records of the following operating parameters for the engine of this portable concrete crushing/screening plant:

**SECTION D. Source Level Requirements**

(a) The hours of operation on a monthly and annual (i.e., calendar-year) basis.

(b) The amount of diesel fuel consumed (gallons) on a monthly basis.

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

The permittee shall maintain records of the following information, obtained either by laboratory analysis or from the fuel supplier's certification, for each shipment of diesel fuel received for the engine of this portable concrete crushing/screening plant:

(a) The sulfur content or maximum sulfur content (ppm, by weight, or %, by weight).

(b) Either/both of the following:

(1) The cetane index.

(2) The aromatic content (% by volume).

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

The permittee shall maintain records of the manufacturer's emission-related written instructions (or operating manual) for the engine of this portable concrete crushing/screening plant.

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

The permittee shall maintain records of all maintenance (i.e., routine and/or preventative maintenance, repairs, adjustments, parts replacements, etc.) performed for the engine of this portable concrete crushing/screening plant. These records shall include, at a minimum, the following:

(a) The date and time of the maintenance.

(b) The type of maintenance performed.

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

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

(1) The total PM emissions.

(2) The total PM less than 10 µm in aerodynamic diameter (PM-10) emissions.

(3) The total PM less than 2.5 µm in aerodynamic diameter (PM-2.5) emissions.

(b) The permittee shall maintain records of the following emissions from the engine of the crushing/screening plant, calculated using a Department-approved method(s):

(1) The CO emissions, on a monthly and 12-month rolling basis.

(2) The HC emissions, on a monthly and 12-month rolling basis.

(3) The NO<sub>x</sub> emissions, on a monthly, ozone season (i.e., the period from May 1–September 30 of each year), and 12-month rolling basis.

(4) The PM emissions, on a monthly and 12-month rolling basis.



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

[Additional authority for this permit condition is also derived from 40 C.F.R. §§ 60.4209 and 60.4211(a)(1)–(3), and 25 Pa. Code Chapter 122 and §§ 127.443(b) and 127.444.]

(a) The permittee shall ensure that the engine of this portable concrete crushing/screening plant is operated and maintained in accordance with the manufacturer's emission-related written instructions.

(b) The permittee shall not change any emission-related settings on the engine.

[Compliance with this streamlined permit condition assures compliance with 40 C.F.R. § 60.4211(a)(2) and that the permittee will not be subject to 40 C.F.R. § 60.4211(g)(1)–(3).]

**# 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 operate and maintain a non-resettable hour meter for the engine of this portable concrete crushing/screening plant.

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

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

The permittee shall ensure that the water spray dust suppression system (Source ID C101) associated with the portable concrete crushing plant of this portable concrete crushing/screening plant is operated on any and all occasions that the crushing/screening plant is operated, except in those unusual instances where conditions are such that operation of the crushing/screening plant without the simultaneous operation of the dust suppression system can occur without creating air contaminant emissions in excess of the restrictions and limitations specified in this permit or in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III, or 40 C.F.R. Part 60. If, however, the dust suppression system is incapable of operation due to weather conditions or any other reason, the crushing/screening plant may not be operated at all.

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

(a) This source grouping consists of a closed-circuit portable concrete crushing/screening plant, as follows:

(1) A portable concrete crushing plant, model no. 4250, manufactured by Kolberg-Pioneer, Inc. The crushing plant consists of the following equipment:

(i) A 42-in x 18-ft (width x length) vibrating grizzly feeder. Fines that fall through the grizzly feeder proceed to a belt conveyor [(a)(1)(iii), below].

(ii) A 42-in x 50-in (diameter x length) horizontal shaft impactor (HSI). The HSI is rated at 250 tons/hr. Material processed by the HSI proceeds to a belt conveyor [(a)(1)(iii)(A), below].

(iii) Two belt conveyors, as follows:

(A) A 48-in x 32-ft (width x length) belt conveyor leading from under (a)(1)(i), above, to the screen of the portable

**SECTION D. Source Level Requirements**

concrete screening plant [(a)(2)(i), below].

(B) A magnetic belt conveyor located over (a)(1)(iii)(A), above (i.e., overband), after the outlet of (a)(1)(ii), above. The belt conveyor pulls material from (a)(1)(iii)(A), above, to a material stockpile [Condition # 001(b)(5), Section D (under Source ID 100A), of this permit].

(2) A portable concrete screening plant, model no. 616 E-2, manufactured by Kolberg-Pioneer, Inc. The screening plant consists of the following equipment:

(i) A 6-ft x 16-ft (width x length), double-deck screen rated at 250 tons/hr. Two (typically) or three (occasionally) material streams lead from the screen, as follows:

(A) The oversized material proceeds to a chute [(a)(2)(ii), below].

(B) The throughs material proceeds to a belt conveyor [typically (a)(2)(iii)(B), below, but occasionally (a)(2)(iii)(C), below].

(C) The undersized material proceeds to a belt conveyor [(a)(2)(iii)(B), below].

(ii) A chute, which directs oversized material from (a)(2)(i), above, to a belt conveyor [(a)(2)(iii)(A), below].

(iii) Three belt conveyors, as follows:

(A) A 36-in x 28.5-ft (width x length), return belt conveyor leading from (a)(2)(ii), above, to (a)(1)(ii), above.

(B) A 36-in x 18-ft (width x length), belt conveyor with stacker (#1) leading from under (a)(2)(i), above, to a material stockpile(s) [of Condition # 001(b)(1), (2), (3) or (14), Section D (under Source ID 100A), of this permit].

(C) A 24-in x 20-ft (width x length), belt conveyor with stacker (#2) leading from the side of (a)(2)(i), above, to a material stockpile [of Condition # 001(b)(1), (2), or (3), Section D (under Source ID 100A), of this permit].

(b) All equipment indicated in (a)(1)–(2), above, except (a)(2)(ii), is powered by a reconstructed diesel fuel-fired engine, model no. N14 94 C 400, engine block serial no. 11667533, manufactured by Cummins Engine Co., Inc. The engine is configured to operate at 360 bhp.

(c) Water sprays (of Source ID C101) operate at the following points of (a)(1), above:

(1) Over (a)(1)(i), above.

(2) Over (a)(1)(iii), above, at the outlet of (a)(1)(ii), above.

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

The equipment and engine of this portable concrete crushing/screening plant indicated in Condition # 018(b), Section D (under Source ID 101A), of this permit, are subject to, and shall comply with all applicable requirements of, 40 C.F.R. Part 60, Subparts OOO and IIII,<sup>1</sup> respectively. 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

<sup>1</sup> The engine is also subject to 40 C.F.R. Part 63, Subpart ZZZZ, but, as indicated in 40 C.F.R. § 63.6590(c)(1), shall comply with this regulation by complying with the provisions of 40 C.F.R. Part 60, Subpart IIII, instead.



**SECTION D. Source Level Requirements**

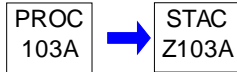
Philadelphia, PA 19103-2029

**SECTION D. Source Level Requirements**

Source ID: 103A

Source Name: TUB GRINDER

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

The permittee shall monitor the following operating parameters for this tub grinder on an operating day basis:

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

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

The permittee shall calculate the following emissions from this tub grinder 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 tub grinder on an operating day basis:

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

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

The permittee shall maintain records of the following emissions from this tub grinder 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.**

(a) This source consists of a tub grinder, model no. 1200XL, manufactured by Morbark, Inc. The tub grinder is used to process wood waste into mulch (rated at 300 yd<sup>3</sup> wood waste/hr), and is comprised of the following equipment:

(1) A knuckleboom loader, model no. 350, manufactured by Morlift.

(2) A 9-ft/12-ft (diameter at base/flare) tub with a 16-in × 49-in (diameter × length) hammermill.

(3) A chute with dual hydraulically-powered augers leading from (a)(2), above, to a belt conveyor [(a)(4), below].

(4) A 36-in × 26-ft (width × length) belt conveyor leading from (a)(3), above, to a material stockpile(s) [of Condition # 001(b)(8), Section D (under Source ID 100A), of this permit].

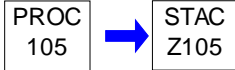
(b) The tub grinder is powered by a plan approval-exempt engine (of Source ID 201A), as indicated in Condition # 010(a), Section D (under Source ID 201A), of this permit.

**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: SOIL SCREENER

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

The permittee shall monitor the following operating parameters for this soil screener on an operating day basis:

- (a) The hours of operation.
- (b) The amount of dirt/clean fill or topsoil processed.

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

The permittee shall calculate the following emissions from this soil screener 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 soil screener on an operating day basis:

- (a) The hours of operation.
- (b) The amount of dirt/clean fill or topsoil processed.

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

The permittee shall maintain records of the following emissions from this soil screener 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.**

(a) This source consists of a soil screener, model no. QE440, manufactured by Sandvik. The soil screener is used to process dirt/clean fill into topsoil, and is comprised of the following equipment:

(1) A 11.1-yd<sup>3</sup> capacity hopper.

(2) Five belt conveyors, as follows:

(i) A feeder apron belt conveyor leading from under (a)(1), above, to a scalping screen [(a)(3), below].

(ii) A 63-in (width) belt conveyor leading from a scalping screen [(a)(3), below] to either of two material stockpiles [of Condition # 001(b)(6) and (14), Section D (under Source ID 100A), of this permit].

(iii) A 36-in (width) belt conveyor leading from a scalping screen [(a)(3), below] to any of several material stockpiles [of Condition # 001(b)(9)–(13), Section D (under Source ID 100A), of this permit].

(iv) A 56-in (width) belt conveyor leading from under a scalping screen [(a)(3), below] to another belt conveyor [(a)(2)(v), below].

(v) A 39-in (width) belt conveyor leading from (a)(2)(iv), above, to any of several material stockpiles [of Condition # 001(b)(9)–(13), Section D (under Source ID 100A), of this permit].

(3) A 6-ft x 18-ft (width x length) double-deck scalping screen rated at 992 tons soil/hr. Three material streams lead from the scalping screen, as follows:

(i) The oversized material proceeds to (a)(2)(ii), above.

(ii) The throughs material scalped off by the bottom deck proceeds to (a)(2)(iii), above.

(iii) The undersized material proceeds to (a)(2)(iv), above.

(b) The soil screener is powered by a plan approval-exempt engine (of Source ID 201A), as indicated in Condition # 010(b), Section D (under Source ID 201A), of this permit.

**SECTION D. Source Level Requirements**

Source ID: 201A

Source Name: PLAN APPROVAL-EXEMPT ENGINES (2)

Source Capacity/Throughput:

40.810 Gal/HR

Diesel Fuel



**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 40 C.F.R. § 89.112(a) and 25 Pa. Code § 127.1.]

(a) The permittee shall ensure that emission into the outdoor atmosphere of NOx from these plan approval-exempt engines is less than the following rates:

- (1) 100 lbs/hr.
- (2) 1,000 lbs/day.
- (3) 2.75 tons per ozone season.
- (4) 6.6 tons/yr, calculated monthly as a 12-month rolling sum.

(b) The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the plan approval-exempt engine associated with the soil screener (Source ID 105) does not exceed the following rates:

| Pollutant(s) | g/bkW-hr (g/bhp-hr) | Lbs/hr | Tons/yr |
|--------------|---------------------|--------|---------|
| CO           | 5.0 (3.7)           | 1.00   | 1.02    |
| NOx + NMHCs  | 4.0 (3.0)           | 0.80   | 0.82    |
| PM           | 0.30 (0.22)         | 0.060  | 0.061   |

Tons/yr = Tons per 12-month rolling period, calculated monthly.  
 NMHCs = Non-methane hydrocarbons.

**Fuel Restriction(s).**

**# 002 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 40 C.F.R. § 80.510(c)(1)–(2).]

The permittee shall ensure that diesel fuel is the only fuel consumed by these plan approval-exempt engines. The diesel fuel shall comply with the following per-gallon standards:

- (a) The sulfur content shall not exceed 15 ppm, by weight (0.0015%, by weight).
- (b) Either/both of the following:



**SECTION D. Source Level Requirements**

- (1) The cetane index shall be equal to or greater than 40.
- (2) The aromatic content shall not exceed 35%, by volume.

[Compliance with this streamlined permit condition assures compliance with 25 Pa. Code § 123.21(b).]

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

The permittee shall ensure that the total operating times of these plan approval-exempt engines do not exceed the following:

| Associated Source (Source ID) | Total Operating Time |
|-------------------------------|----------------------|
| Tub Grinder (Source ID 103A)  | 1,040 hrs/yr         |
| Soil Screener (Source ID 105) | 2,040 hrs/yr         |

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

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

(a) The following testing requirements are applicable to the diesel fuel consumed by each of these plan approval-exempt engines:

(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 Standard D4057 or D4177, as appropriate.

(2) Unless an alternative method(s) is approved by the Department, in writing, only the following ASTM standards may be used:

| Constituent/Property | ASTM Standards               |
|----------------------|------------------------------|
| Sulfur Content       | D129, D1552, D3227, or D4294 |
| Cetane Index         | D613, D976, or D4737         |
| Aromatic Content     | D5186 or D5292               |

(b) The testing requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of diesel fuel in the event that the permittee obtains either a laboratory analysis or other certification from the fuel supplier indicating the sulfur content or maximum sulfur content and, when applicable, the cetane index and/or aromatic content, of the diesel fuel.

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

The permittee shall monitor the following operating parameters for each of these plan approval-exempt engines on a monthly basis:

- (a) The hours of operation.
- (b) The amount of diesel fuel consumed (gallons).

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

(a) The permittee shall calculate the total NOx emissions from these plan approval-exempt engines on a monthly, ozone

**SECTION D. Source Level Requirements**

season, and 12-month rolling basis, using a Department-approved method(s).

(b) The permittee shall calculate the following emissions from the plan approval-exempt engine associated with the soil screener (Source ID 105) on a monthly and 12-month rolling basis, using a Department-approved method(s):

- (1) The CO emissions.
- (2) The NO<sub>x</sub> + NMHC emissions.
- (3) The PM emissions.

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

The permittee shall maintain records of the following operating parameters for each of these plan approval-exempt engines:

- (a) The hours of operation on a monthly and annual basis.
- (b) The amount of diesel fuel consumed (gallons) on a monthly basis.

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

The permittee shall maintain records of the following, obtained either by laboratory analysis or other certification, for each shipment of diesel fuel received for these plan approval-exempt engines.

- (a) The sulfur content or maximum sulfur content (ppm, by weight, or %, by weight).
- (b) Either/both of the following:
  - (1) The cetane index.
  - (2) The aromatic content (% by volume).

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

(a) The permittee shall maintain records of the total NO<sub>x</sub> emissions from these plan approval-exempt engines on a monthly, ozone season, and 12-month rolling basis, calculated using a Department-approved method(s).

(b) The permittee shall maintain records of the following emissions from the plan approval-exempt engine associated with the soil screener (Source ID 105) on a monthly and 12-month rolling basis, calculated using a Department-approved method(s):

- (1) The CO emissions.
- (2) The NO<sub>x</sub> + NMHC emissions.
- (3) The PM emissions.

**V. REPORTING REQUIREMENTS.**

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

**SECTION D. Source Level 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.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This source grouping consists of two diesel-fuel fired plan approval-exempt engines, as follows:

- (a) An engine associated with the tub grinder (Source ID 103A), model no. 3412C, manufactured by Caterpillar, Inc. The engine is rated at 650 bhp.
- (b) An engine associated with the soil screener (Source ID 105), model no. TCD2012L04 2V, manufactured by Deutz AG. The engine is rated at 122 bhp.



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

| Source Id | Source Descriptor                          |  |             |
|-----------|--|--|-------------|
| 101A      | PORTABLE CONCRETE CRUSHING/SCREENING PLANT |  |             |
|           | Emission Limit                             |  | Pollutant   |
|           | 1.470 Tons/Yr                              | 12-Month Rolling Sum, Calculated Monthly   | CO          |
|           | 1.590 Lbs/Hr                               |  | CO          |
|           | 2.000 GRAMS/HP-Hr                          | Brake-Specific   | CO          |
|           | 2.700 GRAMS/KW-Hr                          | Brake-Specific   | CO          |
|           | 0.730 Tons/Yr                              | 12-Month Rolling Sum, Calculated Monthly   | Hydrocarbon |
|           | 0.790 Lbs/Hr                               |  | Hydrocarbon |
|           | 1.000 GRAMS/HP-Hr                          | Brake-Specific   | Hydrocarbon |
|           | 1.300 GRAMS/KW-Hr                          | Brake-Specific   | Hydrocarbon |
|           | 5.060 Tons/Yr                              | 12-Month Rolling Sum, Calculated Monthly   | NOX         |
|           | 5.480 Lbs/Hr                               |  | NOX         |
|           | 6.900 GRAMS/HP-Hr                          | Brake-Specific   | NOX         |
|           | 9.200 GRAMS/KW-Hr                          | Brake-Specific   | NOX         |
|           | 0.290 Tons/Yr                              | 12-Month Rolling Sum, Calculated Monthly   | TSP         |
|           | 0.320 Lbs/Hr                               |  | TSP         |
|           | 0.400 GRAMS/HP-Hr                          | Brake-Specific   | TSP         |
|           | 0.540 GRAMS/KW-Hr                          | Brake-Specific   | TSP         |
| 201A      | PLAN APPROVAL-EXEMPT ENGINES (2)           |  |             |
|           | Emission Limit                             |  | Pollutant   |
|           | 1.000 Lbs/Hr                               | For the Engine Associated with the Soil Screener   | CO          |
|           | 1.020 Tons/Yr                              | 12-Month Rolling Sum, Calculated Monthly; For the Engine Associated with the Soil Screener | CO          |
|           | 3.700 GRAMS/HP-Hr                          | Brake-Specific; For the Engine Associated with the Soil Screener                           | CO          |
|           | 5.000 GRAMS/KW-Hr                          | Brake-Specific; For the Engine Associated with the Soil Screener                           | CO          |
|           | 2.750 Tons/OZNESEAS                        |  | NOX         |
|           | 6.600 Tons/Yr                              | 12-Month Rolling Sum, Calculated Monthly   | NOX         |
|           | 100.000 Lbs/Hr                             |  | NOX         |
|           | 1,000.000 Lbs/Day                          |  | NOX         |
|           | 0.800 Lbs/Hr                               | For the Engine Associated with the Soil Screener   | NOx+NMHC    |
|           | 0.820 Tons/Yr                              | 12-Month Rolling Sum, Calculated Monthly; For the Engine Associated with the Soil Screener | NOx+NMHC    |
|           | 3.000 GRAMS/HP-Hr                          | Brake-Specific; For the Engine Associated with the Soil Screener                           | NOx+NMHC    |
|           | 4.000 GRAMS/KW-Hr                          | Brake-Specific; For the Engine Associated with the Soil Screener                           | NOx+NMHC    |
|           | 0.060 Lbs/Hr                               | For the Engine Associated with the Soil Screener   | TSP         |
|           | 0.061 Tons/Yr                              | 12-Month Rolling Sum, Calculated Monthly; For the Engine Associated with the Soil Screener | TSP         |
|           | 0.220 GRAMS/HP-Hr                          | Brake-Specific; For the Engine Associated with the Soil Screener                           | TSP         |



**SECTION F. Emission Restriction Summary.**

| Source Id | Source Description |
|-----------|--------------------|
|-----------|--------------------|

|       |   |     |
|-------|---|-----|
| 0.300 | GRAMS/KW-Hr<br>Brake-Specific; For the Engine Associated with the Soil Screener | TSP |
|-------|---|-----|

**Site Emission Restriction Summary**

| Emission Limit | Pollutant  |
|----------------|--|
| 25.000 Tons/Yr | Less Than; 12-Month Rolling Sum, Calculated Monthly<br>NOX |

**SECTION G. Miscellaneous.**

- (a) The plant address is: 450 East Valley Forge Road, King of Prussia, PA 19406.
- (b) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:
- (1) General Plan Approval and General Operating Permit (GP-3) No. AQ-SE-0015.
  - (2) General Plan Approval and General Operating Permit (GP-9) No. GP9-46-0050.
  - (3) RFD No. 2112.
  - (4) RFD No. 3501.
- (c) This permit (APS ID 578753, Auth ID 1193827) is a renewal of State Only Operating Permit No. 46-00253, which was originally issued on December 13, 2006 (APS ID 578753, Auth ID 626193), and previously-renewed on March 19, 2013 (APS ID 578753, Auth ID 886004). The following is a listing of the changes reflected in this permit:

(1) The source IDs and/or names for the following source, source grouping, emission point grouping, and emission point in Sections A, D, and F, of the previously-renewed permit (same locations in this permit), where applicable, have been changed ([deleted from source ID or name], <added to source ID or name>):

| Source ID  | Source Name   |
|------------|---|
| 100[A]<B>  | Material Transport, Handling, & Stockpiles                    |
| 201<A>     | <Plan Approval->Exempt Engines ([3] <2>)                      |
| S201<A>    | <Plan Approval->Exempt Engines Stacks ([3] <2>)               |
| Z100[A]<B> | Material Transport, Handling, & Stockpiles Fugitive Emissions |

(2) The following source, fuel material location, and emission point, along with all corresponding permit maps (or parts thereof) and conditions, in Sections A and D, of the previously-renewed permit, where applicable, have been removed:

| Source ID | Source Name                            |
|-----------|--|
| 104A      | Trommel Screen                         |
| FML04     | Trommel Screen Engine Diesel Fuel Tank |
| Z104A     | Trommel Screen Fugitive Emissions      |

(3) The value for the diesel fuel throughput listing for the plan approval-exempt engines, as indicated in Sections A and D (under Source ID 201), of the previously-renewed permit (Sections A and D (under Source ID 201A), of this permit), has been changed from 46.99 gals/hr to 40.81 gals/hr.

(4) The following for Condition # 002, Section C, of the previously-renewed permit (same condition number in this permit):

- (i) A reference to the condition containing exceptions for open burning operations has been added to Sub-condition (f).
- (ii) An exception for emission into the outdoor atmosphere of fugitive air contaminants from coke oven batteries has been added as Sub-condition (h).

(5) An exception from the visible emission restrictions specified in 25 Pa. Code § 123.41 for the operation of equipment used solely to train and test persons in observing the opacity of visible emissions has been added to Condition # 006, Section C, of the previously-renewed permit (same condition number in this permit), as Sub-condition (b).

(6) Exceptions for open burning operations in conjunction with the production of agricultural commodities in their unmanufactured state, and for the purpose of burning domestic refuse, have been added to Condition # 008, Section C, of the previously-renewed permit (same condition number in this permit), as Sub-conditions (d)–(e), respectively.

(7) The following for Condition # 011, Section C, of the previously-renewed permit (same condition number in this permit):

- (i) References to conditions containing applicable requirements for objectionable odors, visible air contaminant emissions, and fugitive air contaminant emissions have been added to Sub-conditions (a)(1)–(3), respectively.

**SECTION G. Miscellaneous.**

- (ii) A requirement to have appropriate corrective action taken for emissions that originate on-site has been added as Sub-condition (b)(3).
- (8) The following for Condition # 012, Section C, of the previously-renewed permit (Condition # 013, Section C, of this permit):
- (i) An additional authority citation to 40 C.F.R. § 70.6(a)(3)(ii)(B) has been added to the beginning of the condition.
  - (ii) Streamlining language to 40 C.F.R. § 60.7(f) has been added to the end of the condition.
- (9) A requirement to maintain records of all of the facility's emission increases resulting from the issuance of a plan approval and subsequent operating permit has been added to Condition # 014, Section C, of the previously-renewed permit (Condition # 015, Section C, of this permit), as Sub-condition (d).
- (10) The following for Condition # 016, Section C, of the previously-renewed permit (Condition # 017, Section C, of this permit):
- (i) The additional authority citations to 40 C.F.R. § 63.6655(a)(2) and (5) and 25 Pa. Code § 127.35(b), as indicated in the beginning of the condition, have been removed.
  - (ii) Additional authority citations to 40 C.F.R. § 60.7(b) and 25 Pa. Code Chapter 122 have been added to the beginning of the condition.
- (11) The language at the beginning of Condition # 018(a), Section C, of the previously-renewed permit (Condition # 019(a), Section C, of this permit), has been changed such that the requirement to submit a source report only applies if the Department has previously advised the permittee to do so.
- (12) The following for Condition # 020, Section C, of the previously-renewed permit (Condition # 021, Section C, of this permit):
- (i) The additional authority citations to 40 C.F.R. §§ 63.8 and 63.6605(b) and 25 Pa. Code § 127.35(b), as indicated in the beginning of the condition, have been removed.
  - (ii) Additional authority citations to 40 C.F.R. § 60.11(d) and 25 Pa. Code Chapter 122 have been added to the beginning of the condition.
- (13) Condition # 023, Section C, of the previously-renewed permit, has been moved to Condition # 009, Section C, of this permit (from Sub-section VI to Sub-section III).
- (14) Condition # 024, Section C, of the previously-renewed permit, has been removed.
- (15) The source descriptions for the material transport, handling, and stockpiles source grouping and the soil screener, as indicated in Condition # 001, Section D (under Source ID 100A), of the previously-renewed permit (Condition # 001, Section D (under Source ID 100B), of this permit), and Condition # 005, Section D (under Source ID 105), of the previously-renewed permit (same condition number in this permit), respectively, have been updated to reflect all potential material stockpiles associated with the soil screener.
- (16) Condition # 017, Section D (under Source ID 101A), of the previously-renewed permit, has been moved to Condition # 008, Section D (under Source ID 101A), of this permit (from Sub-section VI to Sub-section III).
- (17) The (engine block) serial number for the engine of the portable concrete crushing/screening plant, as indicated in Condition # 018(b), Section D (under Source ID 101A), of the previously-renewed permit (same condition number in this permit), has been updated.
- (18) Conditions # 002 and 004, Section D (under Source ID 103A), of the previously-renewed permit, has been removed.
- (19) Condition # 006, Section D (under Source ID 103A), of the previously-renewed permit, has been moved to Condition # 002, Section D (under Source ID 103A), of this permit (from Sub-section VI to Sub-section III).
- (20) Condition # 004, Section D (under Source ID 105), of the previously-renewed permit, has been moved to Condition # 002, Section D (under Source ID 105), of this permit (from Sub-section VI to Sub-section III).



**SECTION G. Miscellaneous.**

(21) The following for Condition # 001, Section D (under Source ID 201), of the previously-renewed permit (Condition # 001, Section D (under Source ID 201A), of this permit):

(i) The additional authority citations to 40 C.F.R. § 60.4204(b) and 25 Pa. Code Chapter 122, as indicated in the beginning of the condition, have been removed.

(ii) The NO<sub>x</sub> emission rate restrictions for the plan approval-exempt engine associated with the trommel screen, as indicated in Sub-condition (b), have been removed.

(22) The following for Condition # 002, Section D (under Source ID 201), of the previously-renewed permit (Condition # 002, Section D (under Source ID 201A), of this permit):

(i) The additional authority citations to 40 C.F.R. § 60.4207(b) and 25 Pa. Code Chapter 122, as indicated in the beginning of the condition, have been removed.

(ii) The following for Sub-condition (a):

(A) The language of the requirement has been changed to also apply to the diesel fuel consumed by the plan approval-exempt engine associated with the tub grinder.

(B) The sulfur content, cetane index, and aromatic content standards for the diesel fuel, as indicated in Sub-condition (a)(1) and (2)(i)–(ii), respectively, have been reorganized as Sub-conditions (a) and (b)(1)–(2), respectively.

(iii) Sub-condition (b) has been removed.

(23) The operating hours restriction for the plan approval-exempt engine associated with the trommel screen, as indicated in Condition # 003, Section D (under Source ID 201), of the previously-renewed permit, has been removed.

(24) The language of Condition # 007(b), Section D (under Source ID 201), of the previously-renewed permit (Condition # 008(b), Section D (under Source ID 201A), of this permit), has been changed to also apply to the diesel fuel consumed by the plan approval-exempt engine associated with the tub grinder.

(25) Conditions # 008(b), 009–010, 012(b), and 013, Section D (under Source ID 201), of the previously-renewed permit, have been removed.

(26) The following for Condition # 011, Section D (under Source ID 201), of the previously-renewed permit:

(i) It has been moved to Condition # 005, Section D (under Source ID 201A), of this permit (from Sub-section VI to Sub-section III).

(ii) Sub-condition (b) has been removed.

(27) The NO<sub>x</sub> emission rate restrictions for the plan approval-exempt engine associated with the trommel screen, as indicated in Section F (under Source ID 201), of the previously-renewed permit, have been removed.



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

---