



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: January 16, 2020

Effective Date: January 15, 2020

Expiration Date: January 15, 2025

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

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

State Only Permit No: 09-00186

Synthetic Minor

Federal Tax Id - Plant Code: 72-1073113-1

Owner Information

Name: KINDER MORGAN BULK TERM INC
Mailing Address: 1000 SOUTH PORT RD
FAIRLESS HILLS, PA 19030

Plant Information

Plant: KINDER MORGAN BULK TERM INC/FAIRLESS HILLS
Location: 09 Bucks County 09002 Falls Township
SIC Code: 4491 Trans. & Utilities - Marine Cargo Handling

Responsible Official

Name: GREGG HARTNETT
Title: TERMINAL MGR
Phone: (215) 295 - 2600 Ext.284

Permit Contact Person

Name: CHRIS VOGLER
Title: COMPLIANCE MANAGER
Phone: (410) 916 - 6921

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



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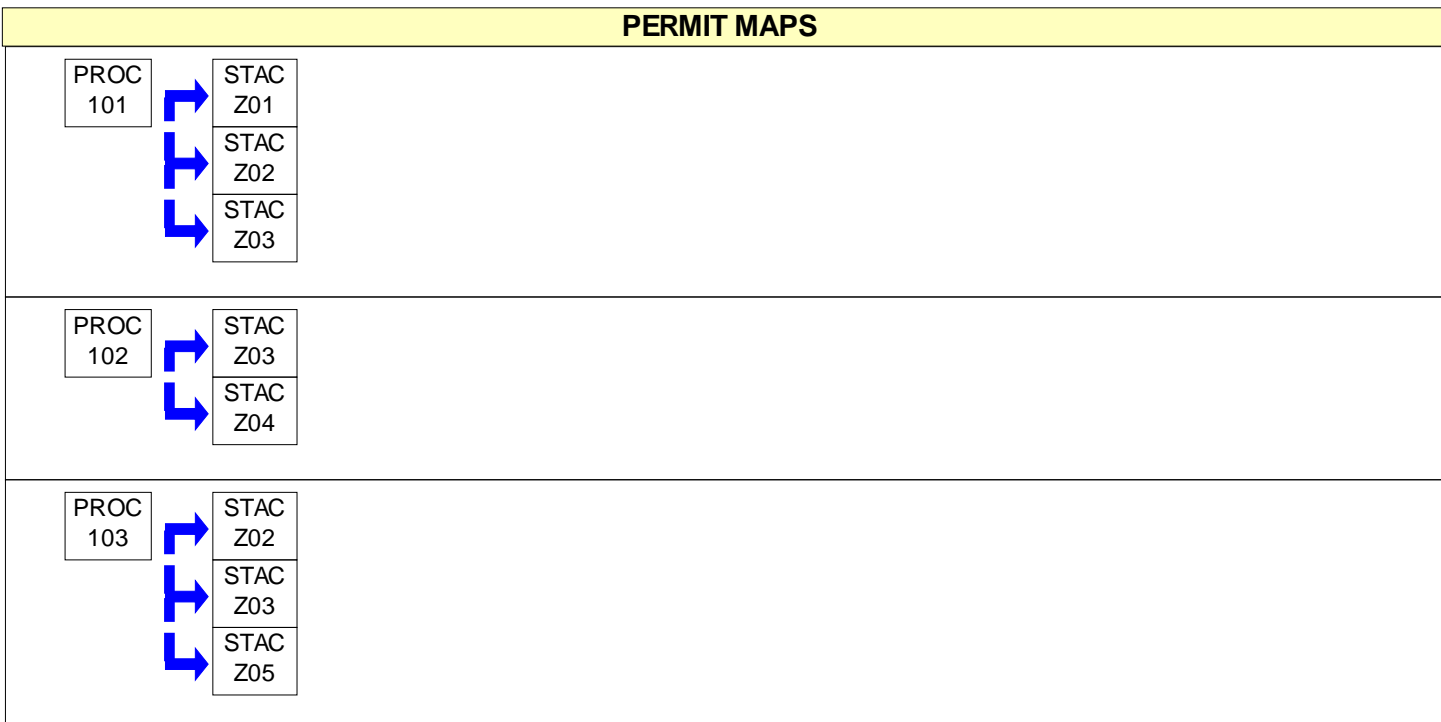
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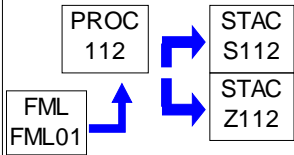
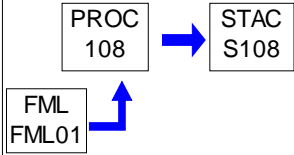
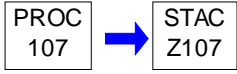
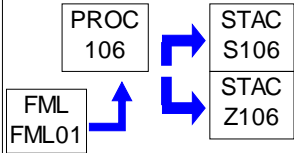
**SECTION A. Site Inventory List**

| Source ID | Source Name | Capacity/Throughput | | Fuel/Material |
|-----------|--|---------------------|---------|-----------------|
| 101 | BULK MATERIAL HANDLING | 1,000.000 | Tons/HR | MISC. MATERIALS |
| 102 | FERTILIZER TRANSFER AND STORAGE | 500.000 | Tons/HR | FERTILIZER |
| 103 | SELF-UNLOADING VESSELS | 6,000.000 | Tons/HR | BULK MATERIAL |
| 106 | PORTABLE STACKERS W/ DUST COLLECTION | 500.000 | Tons/HR | BULK MATERIAL |
| | | 4.080 | Gal/HR | Diesel Fuel |
| 107 | 2,000-GAL STORAGE TANK | | N/A | GASOLINE |
| 108 | PORTABLE CAT EMERG GEN | 19.400 | Gal/HR | Diesel Fuel |
| 112 | PORTABLE STACKERS W/ WET SUPPRESSION | 500.000 | Tons/HR | |
| | | 6.980 | Gal/HR | Diesel Fuel |
| FML01 | DIESEL FUEL | | | |
| S106 | PORTABLE STACKER ENGINE EMISSIONS | | | |
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| Z05 | SELF-UNLOADING VESSEL FUGITIVE EMISSIONS | | | |
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| Z112 | PORTABLE STACKER (WET) FUGITIVE | | | |

PERMIT MAPS



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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §127.442]****Malfunctions, Emergencies or Incidents of Excess Emissions**

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

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

1. name, permit or authorization number, and location of the facility,
2. nature and cause of the malfunction, emergency or incident,
3. date and time when the malfunction, emergency or incident was first observed,
4. expected duration of excess emissions,
5. estimated rate of emissions,
6. corrective actions or preventative measures taken.

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

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

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

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

#024 [25 Pa. Code §135.3]**Reporting**

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

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

#025 [25 Pa. Code §135.4]**Report Format**

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

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

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

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

No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than 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;
- (g) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting;
- (h) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations); and
- (i) Sources and classes of sources other than those identified in (a)-(h), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #002(a)-(i), of this Section, if such emissions are visible at the point the emissions pass outside the person's property.

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

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

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

- (a) The permittee shall restrict the emissions of particulate matter, 2.5 microns or less (PM-2.5), to less than 99.0 tons per 12-month rolling period.
- (b) The permittee shall restrict the emissions of total hazardous air pollutants (HAP) from the facility to less than 24.9 tons per 12-month rolling period and to less than 9.9 tons per 12-month rolling period for any individual HAP.

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §129.14]****Open burning operations**

The permittee may not permit the open burning of material in the Southeast Air Basin, except when the open burning results from:

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

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

The permittee shall limit the number of acres used for stockpile storage (temporary and permanent) as follows:

- (a) No more than 10 acres shall be used at a time for materials that contain more than 15 percent of HAP contaminants.
- (b) No more than 25 acres shall be used at a time for materials that contain HAP contaminants, where the HAP content is 15 percent or less.
- (c) No more than 60 acres shall be used at a time for storing bulk material of any kind.

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

(a) The following control efficiencies have been approved for determining controlled emission rates from roadways and stockpiles when controlled by water suppression:

- | | |
|------------------------|-----|
| (1) Paved Roadways - | 75% |
| (2) Unpaved Roadways - | 86% |
| (3) Stockpiles - | 75% |

(b) Use of the above control efficiencies is contingent upon the permittee using enough water suppression to control fugitive emissions from these source categories, both in volume and in frequency.

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 § 123.22(e)]

- (a) Once a year, between December 1 and the last day of the following February, the permittee shall sample and have tested waste oil used in the maintenance shop waste oil heaters for sulfur content, ash content, lead, and calorific value (in

**SECTION C. Site Level Requirements**

Btu's):

- (1) To demonstrate compliance with the sulfur requirements of 25 Pa. Code § 123.22(e), which is limiting emissions of SO_x to 0.6 lb/MMBtu; and,
 - (2) To determine the ash content and the lead content, to estimate emissions of PM and Lead.
- (b) The permittee shall demonstrate that emissions of SO_x do not exceed 0.6 lb/MMBtu by using the following equation:
- AP-42 emission factor (Table 1.11-2): 147(S) lb/10³ gal of fuel, where S is the percent sulfur content.
If the sulfur content is reported in ppm, the percent sulfur is the value in ppm divided by 10,000.
- $((147 \times S) \text{ lb}/10^3 \text{ gal}) \times (1 \text{ gal}/\text{CV}) \times (10^6 \text{ Btu}/\text{MMBtu})$, where CV is the calorific value of the fuel oil sample in Btu's.

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

The owner/operator shall have an EPA Method 9 certified visible emissions evaluation (VEE) observer on staff or available on-site during the daytime shift for performing EPA Method 9 testing.

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

- (a) Vehicle miles traveled (VMT) from unpaved and paved roads shall be monitored quarterly (Jan – Mar, Apr – June, Jul – Sept, and Oct – Dec).
- (b) After two (2) years of quarterly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to semiannual monitoring.
- (c) After two (2) years of semiannual monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to annual monitoring.
- (d) VMT is defined for this operating permit as those miles traveled by vehicles that weigh over 10 tons and are used for commercial or industrial purposes.
- (e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification, complaints, monitoring results, and/or Department findings.

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

- (a) The permittee shall monitor the facility, once per operating day, for the following:
 - (1) Odors which may be objectionable (as per 25 Pa. Code §123.31).
 - (2) Visible Emissions (as per 25 Pa. Code §§123.41 and 123.42).
 - (3) Fugitive Particulate Matter (as per 25 Pa. Code §§ 123.1 and 123.2).
- (b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:
 - (1) Be investigated;
 - (2) Be reported to the facility management, or individual(s) designated by the permittee;
 - (3) Have appropriate corrective action taken (for emissions that originate on-site); and
 - (4) Be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.

**SECTION C. Site Level Requirements**

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

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

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

(a) Whenever the permittee is operating sources identified in this operating permit, where operations take place outdoors, the wind speed and wind direction shall be monitored continuously, in maximum increments of 30 seconds, by means of an automated weather station.

(b) If at any time the automated weather station does not monitor either wind speed or wind direction, for a period of fifteen (15) consecutive minutes or greater, the permittee shall meet the following alternative monitoring requirements:

(1) A hand-held anemometer shall be used to measure the wind speed at fifteen (15) minute intervals, with the first reading taken 15 minutes following the last wind speed reading measured by the weather station.

(2) A pole-mounted wind sock shall be used to monitor wind direction at fifteen (15) minute intervals, with the first reading taken 15 minutes following the last wind direction reading measured by the weather station.

(3) Where there is a reading of twenty-five (25) miles per hour or greater, the wind speed and direction shall be measured for one whole minute (as measured at maximum increments of 30 seconds, a minimum of three readings). If the wind speed remains at or above 25 miles per hour for one whole minute, the permittee shall continue to monitor the wind speed and direction, at least once every minute, until the average wind speed drops below 25 miles per hour for fifteen (15) consecutive minutes.

(4) Manual monitoring of wind speed and wind direction shall be performed as such until the weather station has resumed monitoring the wind speed and wind direction.

(c) If the automated weather station stops monitoring or recording the wind speed or wind direction as a result of a malfunction, within two (2) hours of discovery of the malfunction, the permittee shall take steps to have the automated weather station repaired or replaced; this may involve, but not be limited to, calling a service technician or submitting an order to have the automated weather station repaired or replaced.

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

(a) The total amount of land space (acres) used for all stockpile storage (temporary and permanent) shall be monitored on a weekly basis.

(b) The amount of land space used for ferroalloys and non-ferroalloys shall be monitored separately, along with the HAP content of each material that is stored.

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

(a) The most land space used on a given month for all stockpile storage (temporary and permanent) shall be recorded on a monthly basis.

(b) The most land space used on a given month for ferroalloys and non-ferroalloys shall be recorded separately, along with the HAP content of each material that is stored.

(c) Once a week, the permittee shall record a list of materials that are stockpiled onsite.

(d) Land space used shall be reported in acres.

**SECTION C. Site Level Requirements****# 016 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall determine the average wind speed at the site each month to determine monthly fugitive emissions from the transfer of materials.
- (b) The permittee shall determine the following each month at the site to calculate monthly fugitive emissions from stockpiling:
- (1) The number of days with at least 0.01 inches of precipitation during the last 12 months; and,
 - (2) The percentage of time with unobstructed wind speed >12 mph, in percent (%), for the last 12 months.

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

- (a) Whenever the permittee is operating sources identified in this operating permit, where operations take place outdoors, the wind speed and wind direction shall be continuously recorded, in maximum increments of 30 seconds, by means of an automated weather station.
- (b) If at any time the automated weather station does not record either wind speed or wind direction, for a period of fifteen (15) consecutive minutes or greater, the permittee shall meet the following alternative recordkeeping requirements:
- (1) Using a hand-held anemometer, the permittee shall record the wind speed at fifteen (15) minute intervals, with the first reading taken 15 minutes following the last wind speed reading recorded by the weather station.
 - (2) Using a pole-mounted wind sock, the permittee shall record the wind direction at fifteen (15) minute intervals, with the first reading taken 15 minutes following the last wind direction reading recorded by the weather station.
 - (3) Where there is a reading of twenty-five (25) miles per hour or greater, the wind speed and direction shall be recorded for one whole minute (as measured at maximum increments of 30 seconds, a minimum of three readings). If the wind speed remains at or above 25 miles per hour for one whole minute, the permittee shall continue to record the wind speed and direction, at least once every minute, until the average wind speed drops below 25 miles per hour for fifteen (15) consecutive minutes.
 - (4) Manual recording of wind speed and wind direction shall be performed as such until the weather station has resumed recording the wind speed and wind direction.
- (c) If the automated weather station stops monitoring or recording the wind speed or wind direction as a result of a malfunction, the permittee shall document steps taken to have the automated weather station repaired or replaced. It shall also be noted when the malfunction took place and when the automated weather station was repaired.

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

- (a) The permittee shall calculate and record the emissions of PM-2.5, total HAP, and each individual HAP from sources operating at this facility that are subject to the Department of Environmental Protection's rules and regulations. Such sources may include, but not be limited to, those:
- (1) Identified herein this State Only Operating Permit;
 - (2) Sources operating temporarily under a Plan Approval, and;
 - (3) Those sources exempt from Plan Approval and Operating Permit requirements, which have not been identified herein this State Only Operating Permit.
- (b) Emissions shall be reported in "tons" for each month and as a 12-month rolling sum.

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

**SECTION C. Site Level Requirements**

Records required per this operating permit shall be maintained in a format acceptable to the Department and kept for a minimum period of five (5) years. Records shall be made readily available to the Department upon request.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

VMT from unpaved roads and paved roads shall be recorded on a quarterly basis (Jan-Mar, Apr-June, Jul-Sept, Oct-Dec) or as approved by the Department.

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

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

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

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

If a water truck or street sweeper is used to control emissions from roads within the facility, then the Operator/Owner shall maintain a log on-site at all times identifying the date and time when the water truck and/or street sweeper is used.

023 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

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

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

[Additional authority for this permit condition is also derived from 40 CFR Part 68]

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release [25 Pa. Code § 127.441(d) and 40 CFR Part 68] program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:
 - (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
 - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

**SECTION C. Site Level Requirements**

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

(c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.

(d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

(1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,

(2) Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

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

(f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in an annual Compliance Certification submittal for the previous year indicating compliance with the requirements of the terms and conditions of this permit, and the requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68. The certification shall include:

(i) The identification of each term or condition of the permit that is the basis of the certification.

(ii) The compliance status.

(iii) The methods used for determining the compliance status of the source, currently and over the reporting period.

(iv) Whether compliance was continuous or intermittent.

(g) The compliance certification should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance of this permit.

VI. WORK PRACTICE REQUIREMENTS.**# 025 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified in Condition #002(a)-(i) of this Section, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

(b) Application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(c) Paving and maintenance of roadways.

(d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

**SECTION C. Site Level Requirements****# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

027 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Fugitive emissions from roads within the facility shall be controlled by a water truck, street sweeper, or by other means approved by the Department.

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

(a) All outdoor operations identified in this operating permit shall cease operation when the wind speed reaches a sustained speed of 25 miles per hour for a continuous period of 15-minutes and operations shall not resume until the average wind speed has dropped below 25 miles per hour for a continuous period of at least 15 minutes.

(b) Paragraph (a), above, does not apply to the handling of salt that's required for cold weather emergencies. However, emissions from the operations shall remain within the limitations of 25 Pa. Code Section 123.1 and 123.2.

(c) During such periods of high winds, when all outdoor operations identified in this operating permit must cease operation, water suppression systems shall continue to operate as necessary so as to minimize fugitive emissions.

(d) The Department reserves the right to modify the monitoring requirements or definition of high winds at any time, based on but not limited to complaints, monitoring results and/or Department findings.

029 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

If a water truck is used to control emissions from roads within the facility, the water truck shall comply with the following conditions:

(a) At least one water truck shall have a water distribution capability of 500 gallons per minute with sufficient pressure to distribute water over a radius of 6 feet.

(b) The water truck shall be used as often as necessary to minimize emissions from Vehicular Traffic to the maximum extent possible.

(c) The water truck shall not draw water directly from the Delaware River without prior approval from the Department and the Delaware River Basin Commission.

030 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) Stockpiles (temporary and permanent) shall not exceed a height such that they cannot be adequately treated with water suppression or surfactants, or be covered by a tarp or some other equivalent material(s).

(b) Stockpiles (temporary and permanent) shall be controlled for PM emissions on an as needed basis such that fugitive emissions are minimized and such that visible fugitive emissions do not pass the boundaries of the facility.

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).



SECTION C. Site Level Requirements

IX. COMPLIANCE SCHEDULE.

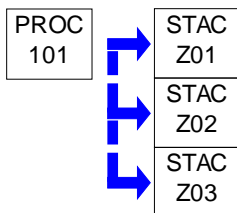
No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: BULK MATERIAL HANDLING

Source Capacity/Throughput: 1,000.000 Tons/HR MISC. MATERIALS

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

(a) Bulk Material Handling (Source ID 101) shall be limited to a throughput of 10,000,000 tons per 12-month rolling sum.

(b) Fugitive emissions caused by this operation shall be controlled by water suppression. If a material is water soluble and water suppression cannot be used, a material may be handled by this operation if the permittee can show that emissions will not exceed an emission rate of 0.0041 lbs/ton/transfer point.

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

Unless provided by the supplier, the moisture content of each material product that is handled shall be tested at least once, on the first shipment from a specific supplier.

(a) Testing shall be performed according to Department approved protocol.

(b) Test results shall be retained on site at all times to validate future shipments from the same supplier.

(c) Test results shall be deemed valid for a consecutive 24-month period, after which the next shipment from a specific supplier shall be re-validated either by testing or by documentation from the supplier.

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

If the permittee creates temporary stockpiles on the dock in preparation for loading a barge/cargo ship, the permittee shall monitor the following, on a per shipment basis:

(a) The date and time when the commencement of the temporary stockpiles begins; and,

(b) The date and time of arrival of the barge/cargo ship.

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

All water suppression equipment that is used to control fugitive emissions shall be able to demonstrate water pressure and water capacity.

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

The permittee shall monitor the amount of material transferred by Bulk Material Handling on a monthly basis, in pounds or tons, by methods approved by the Department. For those transfers that overlap from one month to the next, the total amount of materials transferred shall be contributed to the month when the transfer is completed.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

If the permittee creates temporary stockpiles on the dock in preparation for loading a barge/cargo ship, the permittee shall record the following, on a per shipment basis:

- (a) The date and time when the commencement of the load-out stockpile begins; and,
- (b) The date and time of arrival of the barge/cargo ship.

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

For any water suppression system that is utilized in controlling fugitive emissions, the following shall be noted daily when used in conjunction with Bulk Material Handling:

- (a) Equipment name or ID
- (b) The water pressure
- (c) The water capacity

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

A log shall be maintained of all incidents where material from Bulk Material Handling is spilled into the boat slip waters or the Delaware River. For each incident, the permittee shall also document the estimated amount of material that was spilled.

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

The permittee shall record the following from Bulk Material Handling on a monthly basis and as a 12-month rolling sum: NO_x, CO, SO_x, VOC, PM, PM-10, PM-2.5, total individual HAP, and total combined HAP.

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

When required to perform Method 22 and Method 9 readings on temporary stockpiles located dockside, the permittee shall record the Method 22 and Method 9 readings, noting the dates and times of each visible emission observation method.

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

(a) The permittee shall record the amount of material transferred by Bulk Material Handling on a monthly basis, in pounds or tons, by methods approved by the Department. For those transfers that overlap from one month to the next, the total amount of materials transferred shall be contributed to the month when the transfer is completed.

(b) The following shall be recorded any time material is transferred at the facility:

- (1) Dates of material transfer
- (2) Type of material handled
- (3) Moisture content of material
- (4) Percentage of HAP
- (5) Tonnage of material handled
- (6) Number of transfer points involved

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

(a) At any time that the facility intends to bring on-site water suppression equipment, the permittee shall provide DEP prior notice.

(b) When the facility intends to bring on-site water suppression equipment, the following information shall be provided to

**SECTION D. Source Level Requirements**

DEP:

- (1) Specifications of the equipment
- (2) Diagrams and schematics of the equipment, showing the configuration of the water suppression equipment
- (3) Necessary water pressure required
- (4) Range and direction of spray
- (5) Amount of water used per minute or per hour
- (6) Manufacturer and model number

(c) Any time that the facility intends to remove existing water suppression equipment from the site, the permittee must first receive approval from the Department. The permittee must submit a request at a minimum of fourteen (14) days prior to making the changes and the changes must be approved before the changes can be made.

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

(a) Anytime material is handled, water suppression shall be available to apply water or surfactant to control air contaminants, except for when material is water soluble and it has been demonstrated that the material does not result in emissions of PM greater than 0.0041 lbs/ton/transfer point. When water suppression is used to control fugitive emissions, it shall not result in a water/surfactant discharge.

(b) When material is being unloaded from a barge or cargo ship, it shall be deposited into a hopper prior to being transferred into a truck or rail car, with the following exceptions:

- (1) The material clogs in the hopper due to high moisture, in which case, the material may either be deposited directly into a truck or rail car, or directly onto the dock for temporary stockpiling.
- (2) When material is deposited directly into a permanent stockpile area.
- (3) When material is being unloaded from Self-unloading Vessels (Source ID 103) by means of a conveyor.

(c) When material is being discharged to a hopper, the height of the material in the hopper shall be maintained at or below an appropriate level such that there are no fugitive emissions. In addition, clamshell buckets shall be brought down to the hopper to unload, such that the bottom of the clamshell bucket is at least even with the top of the hopper. When the hopper is completely empty, the clamshell bucket shall be brought down into the hopper, to at least a depth of one third the height of the hopper. The requirements to lower the clamshell bucket into the hopper may be omitted if the hopper is equipped with spring loaded baffles or other such equipment such that once material drops into the top of the hopper, the top of the hopper closes immediately, keeping fugitive emissions from escaping the top of the hopper.

(d) Whenever bulk materials are loaded into barges or cargo ships:

- (1) The permittee shall comply with the following:
 - (i) The front edge of bulk material stockpiles on the dock shall be at least 25 feet from the water's edge; and,
 - (ii) A tarp, or something performing the same function as a tarp, shall be draped from the deck of the barge/cargo ship to the dock such that it ensures that material cannot fall into the boat slip waters.
- (2) The clamshell bucket shall be lowered down to the opening of the barge or cargo ship, such that fugitive emissions do not escape the barge or cargo ship.
- (3) If the barge or cargo ship has not yet arrived:
 - (i) Material shall be staged at a minimum of 50 feet from the water's edge.

**SECTION D. Source Level Requirements**

(ii) For water soluble material: If loading of a barge/cargo ship does not begin within 24 hours of placing the temporary stockpiles of water soluble material on the dock, at a minimum, the material shall be covered until it is loaded into a barge/cargo ship or removed from the dock.

(iii) For materials that are tolerant to water suppression/not water soluble: If loading of a barge/cargo ship does not begin within 24 hours of placing the temporary stockpiles on the dock, the permittee will control visible emissions with wet suppression and must document the incident in a log. The log must detail the following: temporary stockpile commencement date and time, temporary stockpile product, original barge/cargo ship scheduled arrival, date and time of barge/cargo ship loading commencement.

(e) Handling of materials shall be conducted in such a way that materials are transferred at a speed that does not result in any visible fugitive emissions.

(f) At no time shall clamshell buckets spill materials, resulting in visible fugitive emissions.

(g) Hoppers, portable stackers, temporary stockpiles, and trucks shall not be placed near the water's edge such that material(s) might fall into the water way. At no time shall materials be dropped into the boat slip waters or the Delaware River.

(h) All conveyors shall be covered, with the exception of the portable stackers w/ wet suppression (Source ID 112). Conveyor transfer points shall be enclosed to the maximum extent possible.

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

(a) All stockpiles shall be kept to a height such that they can be adequately treated with water suppression or surfactants, or be covered by a tarp or some other equivalent material(s).

(b) All stockpiles shall be controlled for PM emissions such that fugitive emissions are minimized, but not resulting in a water discharge.

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

No crushing activity shall be conducted at this facility without prior approval from the Department.

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

When the facility is not attended, steps shall be taken to ensure that no visible fugitive emissions occur. This shall be accomplished by, but not be limited to, spraying of materials with water, chemicals, or surfactants before leaving the facility, covering materials, or storing materials inside a building.

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

Stockpiles created on the dockside, because of inability to use hoppers, shall be deemed as temporary stockpiles. Temporary stockpiles shall meet the following requirements:

(a) The facility shall have on-site the necessary water suppression systems for controlling fugitive emissions from the temporary stockpiles. Water shall be applied to temporary stockpiles to control fugitive emissions as necessary during transfer of materials.

(b) When discharging to a temporary stockpile, clamshell buckets shall be brought down to a height of less than 4.8 feet above the stockpile.

(c) The temporary stockpiles shall be maintained such that particulate matter from the temporary stockpiles does not go into the boat slip waters. This shall include implementation of temporary barriers (concrete blocks, silt fencing, etc.), as necessary.

**SECTION D. Source Level Requirements**

(d) Visible Emissions Observations (EPA Method 22) shall be performed and documented at a minimum of two times per day as long as temporary stockpiles are dockside. EPA Method 22 shall be performed for a period of 15 minutes. If visible emissions are detected using EPA Method 22 on two occasions within the 15-minute observation period, an EPA Method 9 Visible Emissions Evaluation shall be conducted. Concurrently, the permittee shall take appropriate steps to eliminate fugitive emissions from the temporary stockpiles. Once fugitive emissions are eliminated, another EPA Method 9 Visible Emissions Evaluation shall be conducted to verify that there are no more fugitive emissions.

(e) Temporary stockpiles may not be left unattended at any time. In addition, continuous efforts shall be made to move the material from the dock to a primary storage area until it has been completely removed from the dock. "Unattended" is defined here to mean that there is no one on site to maintain the temporary stockpiles if fugitive emissions occur. "Unattended" does not mean here that a designated person must be continuously observing the temporary stockpiles when they are idle.

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

The following water suppression equipment has been approved for use in controlling emissions from Bulk Material Handling:

(a) For the hopper(s):

Manufacturer: Rain Bird, or equivalent
 Model No.: 15H Series MPR Nozzles
 Rated Capacity: 78 gallons/hr; minimum pressure of 14 pounds/square inch gauge (psig) required

(b) For the stockpiles:

(1) Manufacturer: Rain Bird, or equivalent
 Model No.: 1005M Rain Gun, or equivalent
 Rated Capacity: 142 gallons/hr

(2) Manufacturer: Caterpillar, or equivalent
 Model No.: D250D, or equivalent
 Rated Capacity: 5,000 gallons tank, with 8 hp pump system and variable pressure settings

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

(a) In complying with the requirements to calculate and record emissions of particulate matter and hazardous air pollutants, the permittee shall calculate emissions from Bulk Material Handling by means consistent with those used in Plan Approval application No. 09-0186F.

(b) Should the permittee deem it necessary to use a different method of calculations and equations, the permittee may request approval from the Department to do so. The permittee shall not use different calculations and equations until prior approval is received from the Department.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Bulk Material Handling (Source ID 101) consists of various hoppers, cranes with clamshell buckets, miscellaneous water suppression systems, various stockpile areas, front-end loaders/dozers, and trucks. Additional equipment includes:

(a) Ashross Bottom Dump Railcar Pit with two (2) integrated belt conveyors (identified as BC-1 and BC-2)

(b) Portable stackers w/ dust collection (Source ID 106)

(c) Portable stackers w/ wet suppression (Source ID 112)

**SECTION D. Source Level Requirements****# 021 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) Bulk Material Handling, as defined herein this operating permit, shall only be used for those dust-causing materials where water suppression can be used to adequately control emissions, with the exemption of those materials that are water soluble and resulting emissions are less than 0.0041 lbs/ton/transfer point. For all other dust-causing materials, if water suppression cannot be used to control fugitive emissions, then the permittee must receive prior approval from the Department before handling such materials.

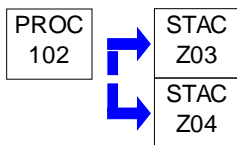
(b) The loading, unloading, and transfer of materials that do not produce air contaminant emissions are exempt from the requirements of this operating permit. Such materials include, but are not limited to, metal and metal byproducts (i.e. steel coil, rebar, steel slabs, etc.).

**SECTION D. Source Level Requirements**

Source ID: 102

Source Name: FERTILIZER TRANSFER AND STORAGE

Source Capacity/Throughput: 500.000 Tons/HR FERTILIZER

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

(a) The Fertilizer Transfer And Storage operation (Source ID 102) shall be limited to a throughput of 600,000 tons per 12-month rolling sum.

(b) Fertilizer shall not contain any federally regulated hazardous air pollutants (HAP).

(c) The total particulate matter emissions from the facility that are 2.5 microns or less (PM-2.5), including PM-2.5 from this source, shall be limited to 99.0 tons per 12-month rolling period.

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

Unless provided by the supplier, the moisture content of each type of fertilizer shall be tested at least once, on the first shipment from a specific supplier.

(a) Testing shall be performed according to Department approved protocol.

(b) Test results shall be retained on site at all times to validate future shipments from the same supplier.

(c) Test results shall be deemed valid for a consecutive 24-month period, after which the next shipment from a specific supplier shall be re-validated either by testing or by documentation from the supplier.

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

The permittee shall monitor the amount of each kind of fertilizer transferred at the facility on a monthly basis, in pounds or tons. For those transfers that overlap from one month to the next, the total amount of fertilizer transferred for that shipment shall be contributed to the month when the transfer is completed.

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

(a) The permittee shall record the amount of each kind of fertilizer transferred at the facility on a monthly basis and on a 12-month rolling basis, in pounds or tons. For those transfers that overlap from one month to the next, the total amount of fertilizer transferred for that shipment shall be contributed to the month when the transfer is completed.

(b) The following shall be recorded any time fertilizer is transferred at the facility:

- (1) Dates of fertilizer transfer
- (2) Type of fertilizer handled

**SECTION D. Source Level Requirements**

- (3) Moisture content of fertilizer
- (4) Tonnage of fertilizer handled
- (5) Number of transfer points

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

If a supplier does not provide the moisture content of fertilizers transferred and the shipment must be tested, then the permittee shall retain the following records with the test results:

- (a) The arrival date of the shipment tested
- (b) The date when transfer of the shipment was completed
- (c) Date of sampling
- (d) Method used to test for moisture content
- (e) Final results of the test

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

A log shall be maintained of all incidents where material from the Fertilizer Transfer and Storage operation is spilled into the boat slip waters or the Delaware River. For each incident, the permittee shall also document the estimated amount of material that was spilled.

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

- (a) The permittee shall record the following from the Fertilizer Transfer and Storage operation on a monthly basis and as a 12- month rolling sum: PM, PM-10, and PM-2.5.
- (b) Emissions shall be calculated as per methods approved by the Department in Plan Approval application #09-0186E. An overall control efficiency of 84.0 percent has been approved for calculating emissions from the Fertilizer Transfer and Storage operation.
- (c) The control efficiency may be revised by the Department if additional information from EPA and/or other regulatory agencies becomes available.

V. REPORTING REQUIREMENTS.

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

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

- (a) Only Clamshell Buckets and Hoppers shall be used to unload fertilizer from barges and cargo ships, such that visible fugitive emissions do not occur. The Hopper shall be fitted with an extension on the discharge end when it is being used to transfer fertilizer into the Portable Conveyor System such that the Hopper discharges directly into the first portable conveyor.
- (b) At all times during unloading operations, the height of the material in the hopper shall be maintained at or below an appropriate level such that there are no fugitive emissions. In addition, clamshell buckets shall be brought down to the hopper to unload, such that the bottom of the clamshell bucket is at least even with the top of the hopper. When the hopper is completely empty, the clamshell bucket shall be brought down into the hopper, to at least a depth of one third the height of the hopper. The requirements to lower the clamshell bucket into the hopper may be omitted if the hopper is equipped with spring loaded baffles or other such equipment such that once material drops into the top of the hopper, the top of the hopper closes immediately, keeping fugitive emissions from escaping the top of the hopper.
- (c) At no time shall Clamshell Buckets spill fertilizer while transferring fertilizer from a barge or cargo ship to a Hopper.

**SECTION D. Source Level Requirements**

(d) Hoppers shall not be placed near the water's edge such that fertilizer might fall into the waterway.

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

Loading, unloading, and transfer of fertilizer shall be conducted in such a way that material is transferred at a speed that does not result in any visible fugitive emissions.

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

At no time shall fertilizer be dropped into the boat slip waters or the Delaware River.

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

(a) At a minimum, all conveyors shall be covered, such that the fertilizer on the conveyor is not subject to crosswinds, and transfer points shall be enclosed such that transferred material is not subject to crosswinds.

(b) The inlets to the portable conveyors shall be equipped with a sheet metal skirt, defined herein this operating permit as an extension of the inlet, proceeding up and in, to reduce wind disturbance inside the inlet, and also to help deflect dust back into the inlet during unloading of fertilizer into the conveyor.

(c) The discharge end of the portable conveyors shall be such that they extend all the way down into the inlet of the next conveyor.

(d) The conveyors shall be equipped with a belt cleaner to remove leftover material at the end of the belt.

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

Fertilizer shall only be stored indoors; fertilizer shall not be stored outdoors as stockpiles.

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

The following shall be permanently enclosed to the maximum extent possible, such that fugitive emissions do not result at any time:

- (a) The inlet of fixed conveyor "C-1",
- (b) The transfer tower above Domes 1 and 2,
- (c) The transfer tower above Domes 3 and 4,
- (d) The Reclaim Shed associated with Domes 1 and 2,
- (e) The Reclaim Shed associated with Domes 3 and 4,
- (f) The transfer point from fixed conveyor "C-3" to the telescoping spout(s), and;
- (g) The transfer point from fixed conveyor "C-6" to the telescoping spout(s).

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

The Load-out Shed shall:

(a) Be partially enclosed, with a top and two sides, and the only openings on each end for trucks and rail cars to pass through;

(b) Shall be equipped with dust curtains on each end to minimize the openings used for trucks and rail cars entering and exiting the Load-out Shed;

(c) Be equipped with telescoping spout(s) that can extend down into a truck or railcar holding compartment and contract to ensure that fertilizer is dispensed into a truck or rail car without causing visible fugitive emissions, and;

**SECTION D. Source Level Requirements**

(d) Not be used when prevailing winds are blowing through the Load-out Shed, resulting in fugitive emissions.

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

The Fertilizer Transfer And Storage operation (Source ID 102) consists of the following:

- (a) Hopper, for unloading barges/cargo ships
- (b) Crane, with clamshell bucket (may be substituted with crane and clamshell bucket on barges/cargo ships)
- (c) Portable Conveyor System (four conveyors, approximately 3 feet by 100 feet)
- (d) Stationary Conveyor System ("C-1" - approximately 3 feet wide and 715 feet long; "C-2A" and "C-2B" - each approximately 3 feet wide and 92 feet long; "C-4" and "C-5" - each approximately 3 feet wide and 92 feet long)
- (e) Four Storage Domes (approximately 15,000 tons capacity, each)
- (f) Dome 1/Dome 2 Reclaim Shed, with feed hopper for fixed conveyor "C-3"
- (g) Dome 3/Dome 4 Reclaim Shed, with feed hopper for fixed conveyor "C-6"
- (h) Fixed conveyors "C-3" (3 feet wide and 535 feet long) and "C-6" (3 feet wide and 260 feet long)
- (i) Truck/Rail Car Load-out Shed with maximum of four (4) telescoping spouts

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

The telescoping spout(s) in the Load-out-Shed shall be equipped with a DSH spout, manufactured by DSH Systems Incorporated, or an equivalent.

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

Source ID 102 is only for handling of fertilizer. Fertilizer that is transferred per Source ID 102 shall meet all conditions covered under Source ID 102, along with any applicable site level requirements. If the transfer of a specific fertilizer cannot comply with the requirements of Source ID 102, nor comply with already issued plan approvals/operating permit, then the permittee must receive prior approval from the Department before handling such materials.

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

The Fertilizer Transfer and Storage operation shall allow for the importing of fertilizer by means of trucks, on the condition that material is brought into an enclosed building and dumped inside. Tracking of such operations shall be done in accordance with the requirements of this operating permit, treating the importing of fertilizer by truck as if it were brought in by barges or cargo ships, with the understanding that the fertilizer does not have to be transferred using the conveyors.

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

The Department reserves the right to evaluate the Fertilizer Transfer and Storage system at any time that fugitive or visible emissions are found to be in excess of the limitations in this operating permit. Such evaluations may require re-evaluation of the Best Available Technology.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

If the Reclaim Shed(s) are equipped with ventilation fans, the fans may not exhaust directly outdoors. The exhaust fans

**SECTION D. Source Level Requirements**

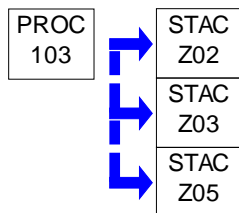
must exhaust indoors, such that air flows into the domes.

**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: SELF-UNLOADING VESSELS

Source Capacity/Throughput: 6,000.000 Tons/HR BULK MATERIAL

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

(a) The Self-unloading Vessels (Source ID 103) shall only be used in conjunction with Bulk Material Handling (Source ID 101).

(b) The Self-unloading Vessels shall be used along with water suppression. The requirement for the use of the wet suppression system is waived for materials that do not emit particulate matter.

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

Unless provided by the supplier, the moisture content of each material (except materials that do not emit particulate matter) shall be tested at least once, on the first shipment from a specific supplier.

(a) Testing shall be performed according to Department approved protocol.

(b) Test results shall be retained on site for two years to validate future shipments from the same supplier.

(c) Test results shall be deemed valid for a consecutive 24-month period, after which the next shipment from a specific supplier shall be re-validated either by testing or by documentation from the supplier.

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

If the permittee creates temporary stockpiles on the dock in preparation for loading a barge/cargo ship, the permittee shall monitor the following, on a per shipment basis:

(a) The date and time when the commencement of the temporary stockpiles begins; and,

(b) The date and time of arrival of the barge/cargo ship.

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

The permittee shall monitor the total amount of material transferred by the Self-unloading Vessel operation on a monthly basis, in pounds or tons, by methods approved by the Department, in conjunction with Source ID 101. For those transfers that overlap from one month to the next, the total amount of materials transferred shall be contributed to the month when the transfer is completed.

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

When Self-unloading Vessels utilize a dust collection system to control fugitive emissions of particulate matter (PM), Kinder

**SECTION D. Source Level Requirements**

Morgan shall comply with one of the following requirements:

- (a) The pressure drop across the dust collector filters shall be monitored daily.
- (b) If the dust collector is not equipped with a permanently installed pressure drop gauge, Kinder Morgan shall be responsible for inspecting the dust collector and the sources controlled by the dust collector on an hourly basis, when the Self-unloading Vessel is unloading materials. Kinder Morgan shall ensure that there are no visible/fugitive emissions from the dust collector, nor from the sources controlled by the dust collector.

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

If the permittee creates temporary stockpiles on the dock in preparation for loading a barge/cargo ship, the permittee shall record the following, on a per shipment basis:

- (a) The date and time when the commencement of the load-out stockpile begins; and,
- (b) The date and time of arrival of the barge/cargo ship.

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

When required to perform Method 22 and Method 9 readings on temporary stockpiles located dockside, the permittee shall record the Method 22 and Method 9 readings, noting the dates and times of each visible emission observation method.

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

A log shall be maintained of all incidents where material from the Self-unloading Vessel is spilled into the boat slip waters or the Delaware River. For each incident, the permittee shall also document the estimated amount of material that was spilled.

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

In conjunction with Source ID 101, the permittee shall record the following on a monthly basis and as a 12-month rolling sum: PM, PM-10, PM-2.5, total individual HAP, and total combined HAP.

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

(a) The permittee shall record the total amount of material transferred by the Self-unloading Vessel operation on a monthly basis, in pounds or tons, by methods approved by the Department, in conjunction with Source ID 101. For those transfers that overlap from one month to the next, the total amount of materials transferred shall be contributed to the month when the transfer is completed.

(b) The following shall be recorded any time material is transferred at the facility:

- (1) Dates of material transfer
- (2) Type of material handled
- (3) Moisture content of material
- (4) Percentage of hazardous air pollutant (HAP) contaminants
- (5) Tonnage of material handled
- (6) Number of transfer points involved

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

When Self-unloading Vessels utilize a dust collection system to control fugitive emissions of PM:

- (a) The permittee shall obtain the manufacturer's specifications, operating instructions, and maintenance procedures for the dust collector from the Self-unloading Vessel.

**SECTION D. Source Level Requirements**

- (b) The permittee shall note what equipment of the Self-unloading Vessel operation is controlled by the dust collection system.
- (c) The pressure drop across the dust collector filters shall be recorded daily, unless the dust collector does not have a pressure gauge.
- (d) If the dust collector does not have a pressure gauge, Kinder Morgan shall record the hourly inspections performed on the dust collection system and noting the following:
- (1) Identification of the person performing the inspection;
 - (2) If any visible emissions were noted;
 - (3) Cause for the visible emissions, and;
 - (4) Corrective actions taken if there were visible emissions.

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

- (a) The permittee shall contact the Department when a Self-unloading Vessel brings material to the facility, such that the Department may observe the self-unloading operation. The Department shall be notified a minimum of five (5) days before the shipment is scheduled to take place.
- (b) Upon inspection of the Self-unloading Vessel operation, the Department will determine if it is necessary for the facility to contact the Department whenever a Self-unloading Vessel unloads material at the facility.

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

- (a) Any Self-unloading Vessel that brings material to the facility and utilizes deck-mounted hoppers shall, at a minimum, have water suppression available to control fugitive emissions from the deck-mounted hoppers.
- (b) For those Self-unloading Vessels that utilize conveyors to transfer material on the vessel, emissions of PM shall be controlled such that there are no fugitive emissions from the conveyors, nor from the transfer points associated with the conveyors.
- (c) For those Self-unloading Vessels that utilize a built-in extended deck boom with conveyor to transfer material to the dock, emissions of PM shall be controlled such that there are no fugitive emissions from the conveyor, nor from the transfer points where material is transferred to the deck boom conveyor. Where material is discharged from the deck boom conveyor into stockpiles, fugitive emissions of PM shall be controlled to the maximum extent possible.
- (d) For those Self-unloading Vessels that utilize a deck-mounted crane, either to transfer material to a deck-mounted hopper or a hopper located on the dock:
- (1) Materials are to be transferred at a speed that does not result in any visible fugitive emissions.
 - (2) At no time shall clamshell buckets spill material while transferring it.
 - (3) At all times during unloading operations, the height of the material in the hopper shall be maintained at or below an appropriate level such that there are no fugitive emissions. In addition, clamshell buckets shall be brought down to the hopper to unload, such that the bottom of the clamshell bucket is at least even with the top of the hopper (but below the sheet metal skirt). When the hopper is completely empty, the clamshell bucket shall be brought down into the hopper, to at least a depth of one third the height of the hopper.
 - (4) The requirements to lower the clamshell bucket into the hopper may be omitted if the hopper is equipped with spring loaded baffles or other such equipment such that once material drops into the top of the hopper, the top of the hopper

**SECTION D. Source Level Requirements**

closes immediately, keeping fugitive emissions from escaping the top of the hopper.

- (e) Hoppers that are used in conjunction with the Self-unloading Vessels shall be located such that material cannot be spilled into the waterway.
- (f) If a Self-unloading Vessel unloads material to trucks or railcars, material shall be transferred by use of hoppers, such that material is transferred from the hopper directly into the truck or railcar. However, if material clogs in the hopper due to high moisture, material may be deposited directly into a truck or railcar.
- (g) Whenever materials are loaded into barges or cargo ships:
- (1) The permittee shall comply with one of the following:
 - (i) The front edge of bulk material stockpiles on the dock shall be at least 25 feet from the water's edge; and,
 - (ii) A tarp shall be draped from the deck of the barge/cargo ship to the dock such that it ensures that material cannot fall into the boat slip waters.
 - (2) The clamshell bucket shall be lowered down to the opening of the barge or cargo ship, such that fugitive emissions do not escape the barge or cargo ship.
 - (3) If the barge or cargo ship has not yet arrived:
 - (i) Material shall be staged at a minimum of 50 feet from the water's edge.
 - (ii) For water soluble material: If loading of a barge/cargo ship does not begin within 24 hours of placing the temporary stockpiles of water soluble material on the dock, at a minimum, the material shall be covered until it is loaded into a barge/cargo ship or removed from the dock.
 - (iii) For materials that are tolerant to water suppression/not water soluble: If loading of a barge/cargo ship does not begin within 24 hours of placing the temporary stockpiles on the dock, the permittee will control visible emissions with wet suppression and must document the incident in a log. The log must detail the following: temporary stockpile commencement date and time, temporary stockpile product, original barge/cargo ship scheduled arrival, date and time of barge/cargo ship loading commencement.

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

Stockpiles created on the dockside, because of inability to use hoppers, shall be deemed as temporary stockpiles. Temporary stockpiles shall meet the following requirements:

- (a) The facility shall have on-site the necessary water suppression systems for controlling fugitive emissions from the temporary stockpiles. Water shall be applied to temporary stockpiles to control fugitive emissions as necessary during transfer of materials.
- (b) When discharging to a temporary stockpile, clamshell buckets shall be brought down to a height of less than 4.8 feet above the stockpile.
- (c) The temporary stockpiles shall be maintained such that particulate matter from the temporary stockpiles does not go into the boat slip waters. This shall include implementation of temporary barriers (concrete blocks, silt fencing, etc.), as necessary.
- (d) Visible Emissions Observations (EPA Method 22) shall be performed and documented at a minimum of two times per day as long as temporary stockpiles are dockside. EPA Method 22 shall be performed for a period of 15 minutes. If visible emissions are detected using EPA Method 22 on two occasions within the 15-minute observation period, an EPA Method 9 Visible Emissions Evaluation shall be conducted. Concurrently, the permittee shall take appropriate steps to eliminate fugitive emissions from the temporary stockpiles. Once fugitive emissions are eliminated, another EPA Method 9 Visible

**SECTION D. Source Level Requirements**

Emissions Evaluation shall be conducted to verify that there are no more fugitive emissions.

(e) Temporary stockpiles may not be left unattended at any time. In addition, continuous efforts shall be made to move the material from the dock to a primary storage area until it has been completely removed from the dock. "Unattended" is defined here to mean that there is no one on site to maintain the temporary stockpiles if fugitive emissions occur. "Unattended" does not mean here that a designated person must be continuously observing the temporary stockpiles when they are idle.

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

The following conditions apply when Self-unloading Vessels utilize a dust collection system to control fugitive emissions of PM:

(a) For those dust collectors that have a pressure gauge, the pressure drop across the dust collector filters (bags or cartridges) shall remain within the minimum and maximum values recommended by the manufacturer.

(b) Operations are to shut down if visible emissions are noted from the dust collector stack. Operations may continue once the problem has been solved.

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

At no time shall materials be dropped into the boat slip waters or the Delaware River.

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

When the facility is not attended, steps shall be taken to ensure that no visible fugitive emissions occur. This shall be accomplished by, but not be limited to, spraying of materials with water, chemicals, or surfactants before leaving the facility, covering materials, or storing materials inside a building.

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

The Department reserves the right to revisit best available technology (BAT) for the Self-unloading Vessels depending on how effective the approved control technologies are. Should there be fugitive emission violations observed by the Department or complaints received by the Department, the Department may require additional control technologies, design modifications and/or work practice standards to eliminate fugitive emissions.

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

Self-unloading Vessels, as defined herein this operating permit, are those vessels that are used to unload or load bulk material, which results in air emissions and can be controlled by water suppression, and have the means to unload materials without the assistance of cranes and/or clamshell buckets owned and operated by the permittee.

020 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The materials that are approved for handling with a self-unloading vessel are those materials where water suppression can be used to adequately control emissions of particulate matter. If Water Suppression cannot be used to control fugitive emissions from a dust-causing material, then the permittee must receive prior approval from the Department before handling such materials.

(b) The loading, unloading, and transfer of materials that do not produce air contaminant emissions are exempt from the requirements of this operating permit. Such materials include, but are not limited to, metal and metal byproducts (i.e. steel coil, rebar, steel slabs, etc.).

021 [25 Pa. Code §127.441]

**SECTION D. Source Level Requirements****Operating permit terms and conditions.**

The following Water Suppression equipment has been approved for use in controlling fugitive emissions from Self-unloading Vessels:

(a) For hoppers:

Manufacturer: Rain Bird, or equivalent
Model No.: 15H Series MPR Nozzles
Rated Capacity: 78 gallons/hr

(b) For the stockpiles:

(1) Manufacturer: Rain Bird, or equivalent
Model No.: 1005M Rain Gun, or equivalent
Rated Capacity: 142 gallons/hr

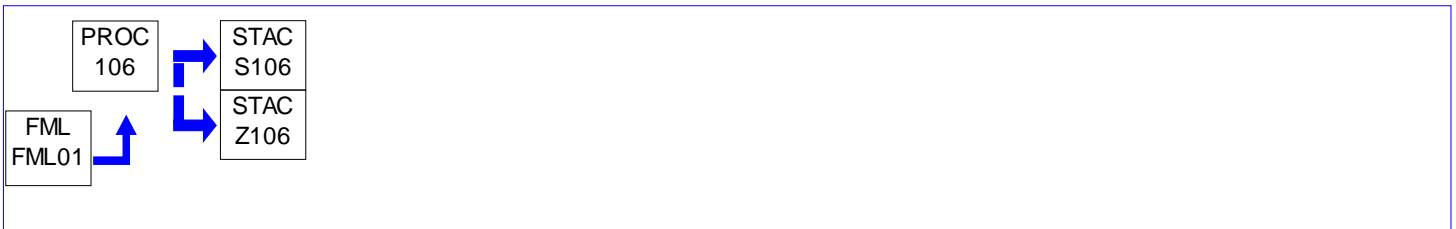
(2) Manufacturer: Caterpillar, or equivalent
Model No.: D250D, or equivalent
Rated Capacity: 5,000 gallons tank, with 8 hp pump system and variable pressure settings

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: PORTABLE STACKERS W/ DUST COLLECTION

| | | |
|-----------------------------|-----------------|---------------|
| Source Capacity/Throughput: | 500.000 Tons/HR | BULK MATERIAL |
| | 4.080 Gal/HR | Diesel Fuel |

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

Emissions of filterable particulate matter (PM) from the portable stacker engine(s) shall not exceed 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]**General**

Emissions of sulfur oxides (expressed as SO₂) from the portable stacker engine(s) shall not exceed an effluent rate of 500 ppm_{dv}.

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

The portable stacker engines shall not emit visible air contaminants into the atmosphere such that the opacity of the emissions is either of the following:

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

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

The engines for each stacker shall be equipped with a non-resettable hour runtime meter. Hours of each unit shall be monitored at a minimum on a monthly basis.

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

Each dust collector shall be equipped with a pressure drop gauge to measure the pressure drop across the dust collector filters. The pressure drop shall be monitored daily when the stacker conveyors are being used.

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

Hours of operation of each stacker conveyor engine shall be recorded at a minimum on a monthly basis.

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

The pressure drop across each dust collector shall be recorded daily when the stacker conveyors are being used.

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

The permittee shall record emissions of the following on a monthly basis and as a 12-month rolling sum: NO_x, CO, PM, PM-10, PM-2.5, SO_x, and VOC.

V. REPORTING REQUIREMENTS.

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

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

(a) The pressure drop across the dust collector filters shall be maintained within a range of 1.5 - 5.0 inches water gauge (w.g.).

(b) The permittee shall maintain on site spare dust collector filters.

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

Fugitive emissions that are not captured by the dust collection system shall be controlled by water suppression or by other means consistent with good air pollution control practices that doesn't require a Plan Approval.

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

(a) This source is associated with Source IDs 101, 102, and 103.

(b) This source reflects the following portable conveyor stacker(s):

One (1) "RBT" Model 4255 Portable Stacker with John Deere engine

(c) The permittee shall get prior approval from DEP before bringing onsite additional portable conveyors to be used for the purposes of transferring material as described herein this operating permit.

**SECTION D. Source Level Requirements**

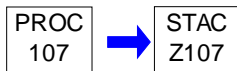
Source ID: 107

Source Name: 2,000-GAL STORAGE TANK

Source Capacity/Throughput:

N/A

GASOLINE

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11111]

Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities Am I subject to the requirements in this subpart?

The permittee shall monitor the throughput of this source on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11111]

Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities Am I subject to the requirements in this subpart?

[Additional authority for this permit condition is also derived from 40 CFR §§ 63.11115(b), 63.11116(b), and 63.11125(d)]

(a) The permittee shall maintain files of all information (including all reports and notifications) required under 40 CFR Part 63, Subpart CCCCCC, recorded in a form suitable and readily available for expeditious inspection and review. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, or computer floppy disks, on magnetic tape disks, or on microfiche.

(b) The permittee shall document and maintain records for the following:

(1) Monthly gasoline throughput;

(2) The occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment;

(3) Actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR § 63.11115(a), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation; and,

(4) All required maintenance performed on the air pollution control and monitoring equipment.

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.****# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11115]****Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities
What are my general duties to minimize emissions?**

The permittee must, at all times, operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11116]**Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities
Requirements for facilities with monthly throughput of less than 10,000 gallons of gasoline.**

- (a) The monthly throughput of gasoline shall remain below 10,000 gallons per month.
- (b) The permittee shall not allow gasoline to be handled in a manner that would result in vapor releases to the atmosphere for extended periods of time. Measures to be taken include, but are not limited to, the following:
- (1) Minimize gasoline spills;
 - (2) Clean up spills as expeditiously as practicable;
 - (3) Cover all open gasoline containers and all gasoline storage tank fill-pipes with a gasketed seal when not in use; and,
 - (4) Minimize gasoline sent to open waste collection systems that collect and transport gasoline to reclamation and recycling devices such as oil/water separators.
- (c) Portable gasoline containers that meet the requirements of 40 CFR Part 59, Subpart F, are considered acceptable for compliance with paragraph (b)(3) of this condition.

VII. ADDITIONAL REQUIREMENTS.**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11111]****Subpart CCCCCC - National Emission Standards for Hazardous Air Pollutants for Gasoline Dispensing Facilities
Am I subject to the requirements in this subpart?**

[Additional authority for this permit condition is also derived from 40 CFR § 63.11112]

The following are subject to the requirements of 40 CFR Part 63, Subpart CCCCCC:

- (a) Each gasoline dispensing facility (GDF) located at an area source; the affected source includes each gasoline cargo tank during the delivery of product to a GDF and also includes each storage tank.
- (b) The emission sources to which this subpart applies are gasoline storage tanks and associated equipment components in vapor or liquid gasoline service at new, reconstructed, or existing GDF that meet the criteria specified in 40 CFR § 63.11111; pressure/vacuum vents on gasoline storage tanks and the equipment necessary to unload product from cargo tanks into the storage tanks at GDF are covered emission sources. The equipment used for the refueling of motor vehicles is not covered by Subpart CCCCCC.

**SECTION D. Source Level Requirements**

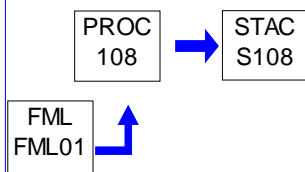
Source ID: 108

Source Name: PORTABLE CAT EMERG GEN

Source Capacity/Throughput:

19.400 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

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

(a) Emissions of NO_x from the Portable CAT Emerg Gen (Source 108) shall remain below the following emission rates:

- (1) 100 lbs/hr
- (2) 1000 lbs/day
- (3) 2.75 tons per ozone season
- (4) 6.6 tons per 12-month rolling period

(b) For the purpose of demonstrating compliance with paragraph (a)(3), above, the ozone season is defined as the period beginning May 1 of each year and ending on September 30 of the same year.

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

The permittee shall monitor the hours of operation on a daily basis.

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

(a) The permittee shall record the hours of operation on a daily basis, totaled each month.

(b) The permittee shall calculate and record emissions of NO_x from the Portable CAT Emerg Gen (Source 108) in a format that demonstrates compliance with the NO_x emission limits.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Portable CAT Emerg Gen (Source 108) is manufactured by CAT, Model No. C9, rated at 480 bhp (300 kW).

**SECTION D. Source Level Requirements**

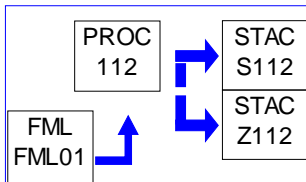
Source ID: 112

Source Name: PORTABLE STACKERS W/ WET SUPPRESSION

Source Capacity/Throughput: 500.000 Tons/HR

6.980 Gal/HR

Diesel Fuel

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.13]****Processes**

Emissions of filterable particulate matter (PM) from the portable stacker engine(s) shall not exceed 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]**General**

Emissions of sulfur oxides (expressed as SO₂) from the portable stacker engine(s) shall not exceed an effluent rate of 500 ppm_{dv}.

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

The portable stacker engines shall not emit visible air contaminants into the atmosphere such that the opacity of the emissions is either of the following:

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

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

The engines for each stacker shall be equipped with a non-resettable hour runtime meter. Hours of each unit shall be monitored at a minimum on a monthly basis.

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

Hours of operation of each stacker conveyor engine shall be recorded at a minimum on a monthly basis.

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

The permittee shall record emissions of the following on a monthly basis and as a 12-month rolling sum: NO_x, CO, PM, PM-10, PM-2.5, SO_x, and VOC.

**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.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Fugitive emissions shall be controlled by water suppression or by other means consistent with good air pollution control practices that doesn't require a Plan Approval.

VII. ADDITIONAL REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) This source is associated with Source IDs 101 and 103.

(b) This source reflects the following portable conveyor stacker(s):

One (1) McCloskey Portable Stacker with Caterpillar engine

(c) The permittee shall get prior approval from DEP before bringing onsite additional portable conveyors to be used for the purposes of transferring material as described herein this operating permit.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION F. Emission Restriction Summary.**

| Source Id | Source Description | | |
|-----------------------|--------------------------------------|---|-------|
| 106 | PORTABLE STACKERS W/ DUST COLLECTION | | |
| Emission Limit | | Pollutant | |
| 0.040 | gr/DRY FT3 | Applies to filterable PM only | PM2.5 |
| 500.000 | PPMV | Determined on a dry basis | SOX |
| 108 | PORTABLE CAT EMERG GEN | | |
| Emission Limit | | Pollutant | |
| 2.750 | Tons/OZNESEAS | | NOX |
| 6.600 | Tons/Yr | Determined on a 12-month rolling period | NOX |
| 100.000 | Lbs/Hr | | NOX |
| 1,000.000 | Lbs/Day | | NOX |
| 500.000 | PPMV | Determined on a dry basis | SOX |
| 112 | PORTABLE STACKERS W/ WET SUPPRESSION | | |
| Emission Limit | | Pollutant | |
| 500.000 | PPMV | Determined on a dry basis | SOX |
| 0.040 | gr/DRY FT3 | Applies to filterable PM only | TSP |

Site Emission Restriction Summary

| Emission Limit | | Pollutant |
|----------------|--|--------------------------|
| 99.000 Tons/Yr | Determined on a 12-month rolling period | PM2.5 |
| 24.900 Tons/Yr | Applies to total HAP; Determined on a 12-month rolling period | Hazardous Air Pollutants |
| 9.900 Tons/Yr | Applies to individual HAP; Determined on a 12-month rolling period | Hazardous Air Pollutants |

**SECTION G. Miscellaneous.**

- (a) The following serve as the basis for certain terms and conditions set forth in this State Only Operating Permit:
- (1) Plan Approval No. 09-0186
 - (2) Plan Approval No. 09-0186A
 - (3) Request for Determination (RFD) #951
 - (4) Plan Approval No. 09-0186B
- (b) Under APS ID No. 625871, AUTH ID No. 808658, this operating permit has been modified to allow for unloading bulk material (Source ID 101) directly to the dock under circumstances when material cannot be handled through hoppers.
- (c) Under APS ID No. 625871, AUTH ID No. 819369, this operating permit has been amended to incorporate the requirements of Plan Approval No. 09-0186A and RFD #951.
- (d) Under APS ID No. 625871, AUTH ID No. 824784, this operating permit has been modified to allow for unloading bulk material (Source ID 101) directly into trucks under circumstances when material cannot be handled through hoppers.
- (e) Under APS ID No. 625871, AUTH ID No. 851075, this operating permit has been amended to incorporate the requirements of Plan Approval No. 09-0186B. In addition, the following RFDs are incorporated into this operating permit:
- (1) RFD #718 - Sand Screening and Bagging Process
 - (2) RFD #1817 - Water Truck
 - (3) RFD #1911 - Dock Stockpiling
- (f) Under APS ID No. 625871, AUTH ID No. 941790, this operating permit has been renewed for another 5-year term. This permit renewal also incorporates Plan Approval No. 09-0186C. In addition, the following RFDs are incorporated into this operating permit:
- (1) RFD #3174 - Liquid Fertilizer Storage Tank
 - (2) RFD #3529 - Ammonium Polyphosphate Storage
- (g) The following have been deemed insignificant sources and shall comply with all applicable regulations:
- (1) One (1) Katolight emergency generator, rated at 15 kW.
 - (2) Two (2) waste oil heaters, manufactured by Clean Burn (Model: CB 500 Series), located in the maintenance shop; each rated at 0.5 MMBtu/hr.
- (h) Under APS ID No. 625871, AUTH ID No. 1004155, this operating permit has been amended to incorporate Plan Approval No. 09-0186D. In addition, this administrative amendment incorporates RFD #4133, which allows Kinder Morgan to unload urea from barges/cargo ships into a hopper or a hopper and portable stacker configuration, and then directly into railcars or trucks.
- (h) Under APS ID No. 625871, AUTH ID No. 1060819, this operating permit has been amended to incorporate Plan Approval No. 09-0186E.
- (i) Under APS ID No. 625871, AUTH ID No. 1165825, this operating permit has been amended to incorporate Plan Approval No. 09-0186F. In addition, this administrative amendment incorporates the following RFDs:
- (1) RFD #5082, for the approval to store and transfer oiled Pot Ash fertilizer.
 - (2) RFD #5083, for the approval to store, handle and transfer Sulf4r-Plus pellets (Sulfur-Calcium).
 - (3) RFD #5300, to operate a diesel powered portable conveyor to apply a liquid additive to batches of salt to increase overall effectiveness of salt when applied to roadways.
- (j) On February 19, 2019, DEP approved weekly monitoring of malodor, fugitive and visible emissions.
- (k) Under APS ID No. 625871, AUTH ID No. 1222807, this operating permit has been renewed for another 5-year term. Per this permit renewal:
- (1) Source ID 108 has been added for a portable CAT emergency generator.
 - (2) Source ID 106 has been renamed from "Five (5) Portable Model 4255 Conveyors" to "Portable Stackers w/ Dust Collection".
 - (3) Source ID 112 has been created for portable stackers using water suppression, called "Portable Stackers w/ Wet Suppression".



SECTION G. Miscellaneous.



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