



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: August 27, 2021

Effective Date: August 27, 2021

Expiration Date: August 26, 2026

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

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

State Only Permit No: 17-00017

Synthetic Minor

Federal Tax Id - Plant Code: 36-4935521-1

Owner Information

Name: EAGLE RAILCAR SVC
Mailing Address: 450 OSBORN AVE
DU BOIS, PA 15801-1854

Plant Information

Plant: EAGLE RAILCAR SVC/DUBOIS RAILCAR PLT
Location: 17 Clearfield County 17001 DuBois City
SIC Code: 4789 Trans. & Utilities - Transportation Services, Nec

Responsible Official

Name: PETER TILTON
Title: CORPORATE EHS MGR
Phone: (254) 629 - 1718 Email: Peter.Tilton@eaglerailcar.com

Permit Contact Person

Name: JOEL COUDRIET
Title: EHS COORDINATOR
Phone: (814) 913 - 4855 Ext.4055 Email: Joel.Coudriet@eaglerailcar.com

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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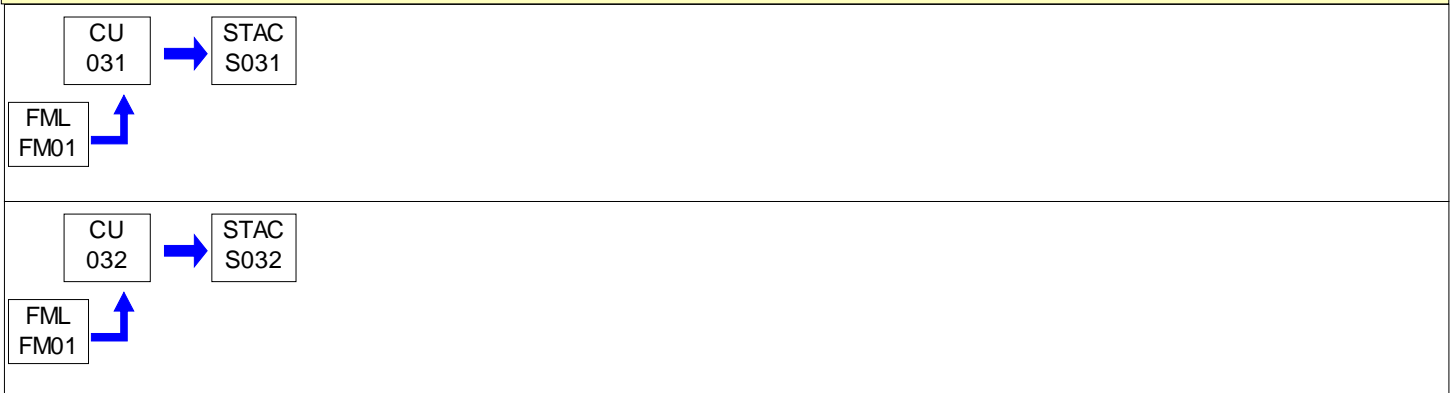
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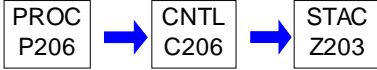
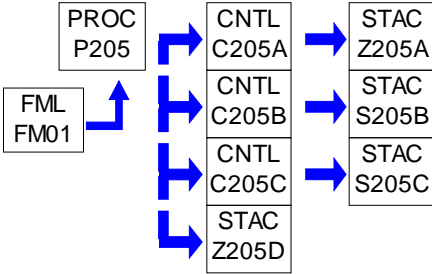
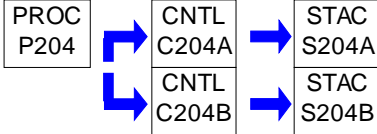
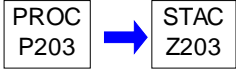
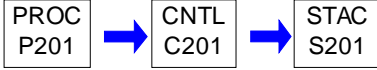
SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	COMBUSTION UNITS	16.924 MMBTU/HR	
032	COMBUSTION UNITS	58.075 MMBTU/HR	
P201	INTERIOR SURFACE COATING OPERATION	0.022 Tons/HR	SOLVENT
P202	EXTERIOR SURFACE COATING OPERATION	0.022 Tons/HR	SOLVENT
P203	SURFACE COATING CLEANUP	3.000 Lbs/HR	MEK
P204	ABRASIVE BLASTING OPERATION	0.024 Tons/HR	ABRASIVE MATERIAL
P205	RAILCAR CLEANING OPERATION		
P206	ABRASIVE BLASTING OPERATION (RAILCAR CLEANING)	0.030 Tons/HR	ABRASIVE MEDIA
C201	PARTICULATE MATTER FILTERS		
C202	PARTICULATE MATTER FILTERS		
C204A	TORIT CARTRIDGE COLLECTOR		
C204B	FARR CARTRIDGE COLLECTOR		
C205A	AIR ASSISTED FLARE		
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FM01	NATURAL GAS		
S031	COMBUSTION UNIT EXHAUSTS		
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S201	STACK		
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S204A	CARTRIDGE COLLECTOR STACK		
S204B	CARTRIDGE COLLECTOR STACK		
S205B	SCRUBBER STACK		
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Z203	FUGITIVE VOLATILE EMISSIONS		
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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)]**Permit Renewal.**

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

SECTION B. General State Only Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO_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 §135.3]****Reporting**

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

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

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

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall not permit the emission of fugitive air contaminants into the outdoor atmosphere from a source other than the following:

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (a) the emissions are of minor significance with respect to causing air pollution; and
 - (b) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

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

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

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

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

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

The emission limitations in condition #003 shall not apply when:

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

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

**SECTION C. Site Level Requirements**

The total combined emissions of any hazardous air pollutant from all sources at this facility shall not exceed 9.93 tons in any 12 consecutive month period.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined emissions of volatile organic compounds from all sources at this facility shall not exceed 49.78 tons in any 12 consecutive month period.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined emissions of all hazardous air pollutants from all sources at this facility shall not exceed 24.9 tons in any 12 consecutive month period.

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

(a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One hardcopy and one electronic copy shall be sent to the Northcentral Regional Office Air Quality Program Manager and one hardcopy and one electronic copy shall be sent to the PSIMS Administrator in Central Office. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

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

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

1. A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
2. Permit number(s) and condition(s) which are the basis for the evaluation.
3. Summary of results with respect to each applicable permit condition.
4. Statement of compliance or non-compliance with each applicable permit condition.

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

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

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

SECTION C. Site Level Requirements

Mail and email addresses are provided on the PA DEP website.

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

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

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

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

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

011 [25 Pa. Code §139.11]**General requirements.**

(1) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the respective source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

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

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

III. MONITORING REQUIREMENTS.**# 012 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (1) A device approved by the Department and maintained to provide accurate opacity measurements.

**SECTION C. Site Level Requirements**

(2) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

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

The permittee shall monitor the emissions of volatile organic compounds, any hazardous air pollutant, and all hazardous air pollutants by maintaining monthly records as required below under recordkeeping requirements no later than the end of each calendar month to determine the 12-month rolling total emissions of these pollutants during the preceding 12-month period from all of the air contaminant sources located at the facility.

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

(a) The permittee shall keep accurate and comprehensive records of the following:

(1) The calculations used to verify compliance with the allowable facility-wide 12-month rolling total emission restriction for volatile organic compounds (VOCs), 49.78 tons in any 12 consecutive month period.

(2) The calculations used to verify compliance with the allowable facility-wide 12-month rolling total emission restriction for any hazardous air pollutant (HAP), 9.93 tons in any 12 consecutive month period.

(3) The calculations used to verify compliance with the allowable facility-wide 12-month rolling total emission restriction for all HAPs, 24.9 tons in any 12 consecutive month period, for all sources at the facility.

(b) The permittee shall include the emissions from all of the air contaminant sources located at the facility in the calculations required above; shall keep the calculations including all of the supporting documentation used to determine the facility-wide emissions of VOCs, any HAP, and all HAPs for a period of five (5) years; and shall provide the information to the Department upon request.

015 [25 Pa. Code §135.5]**Recordkeeping**

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

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

(a) The permittee shall submit the following on a semiannual basis:

(1) The calculations used to verify compliance with the allowable facility-wide 12-month rolling total emission restriction for volatile organic compounds (VOCs), 49.78 tons in any 12 consecutive month period.

(2) The calculations used to verify compliance with the allowable facility-wide 12-month rolling total emission restriction for any hazardous air pollutant (HAP), 9.93 tons in any 12 consecutive month period.

(3) The calculations used to verify compliance with the allowable facility-wide 12-month rolling total emission restriction for all HAPs, 24.9 tons in any 12 consecutive month period, for all sources at the facility.

(b) The semiannual reports shall be submitted to the Department no later than March 1 for the preceding period July 1 through December 31 and by September 1 for the preceding period January 1 through June 30, of each calendar year.

SECTION C. Site Level Requirements**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

018 [25 Pa. Code §127.442]**Reporting requirements.**

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

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

(c) The report shall describe the following:

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

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

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

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

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

VI. WORK PRACTICE REQUIREMENTS.**# 019 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

**SECTION C. Site Level Requirements**

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

VII. ADDITIONAL REQUIREMENTS.**# 020 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

021 [25 Pa. Code §123.31]**Limitations**

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

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

Any cleaning unit operation at this facility subject to 25 Pa. Code section 129.63a(a), except as provided under 25 Pa. Code section 129.63a(c) relating to Exceptions and exemptions, shall satisfy the provisions under 25 Pa. Code section 129.63a, relating to Control of VOC emissions from industrial cleaning solvents. The permittee shall comply with all applicable requirements pertaining to cleaning solvent usage at the facility, as applicable pursuant to 25 Pa. Code sections 129.63a(a) through (k) and the applicable terms and conditions herein.

023 [25 Pa. Code §129.14]**Open burning operations**

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

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

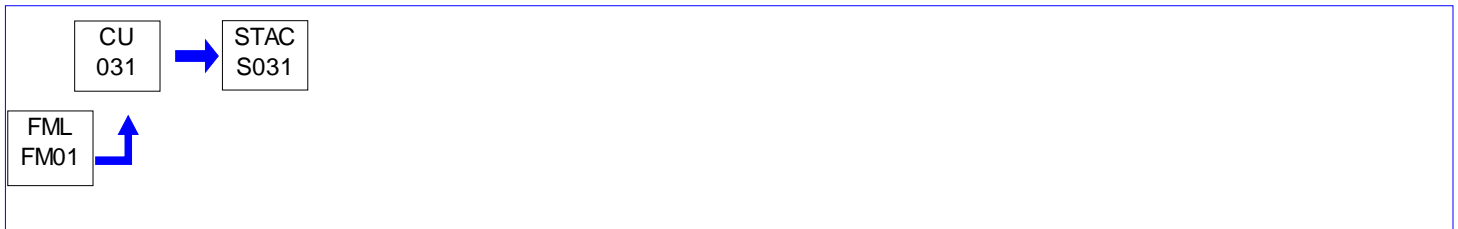
No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 031

Source Name: COMBUSTION UNITS

Source Capacity/Throughput: 16.924 MMBTU/HR

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §123.11]

Combustion units

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from the 8.369 million Btu per hour Cleaver Brooks boiler incorporated in Source ID 031 in excess of 0.4 pounds per million Btu of heat input.

002 [25 Pa. Code §123.22]

Combustion units

The permittee shall not permit the emission of sulfur oxides, expressed as SO₂, into the outdoor atmosphere from any of the combustion units incorporated in Source ID 031 in excess of 4 pounds per million Btu of heat input over any 1-hour period.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The combustion units incorporated in Source 031 shall only be fired on natural gas.

Throughput Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

No more than a combined total of 259.03 million cubic feet of natural gas shall be used to fire the combustion units incorporated in Source IDs 031 and 032 in any 12 consecutive month period.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the amount of natural gas combusted in Source ID 031 to determine the monthly fuel usage of the combustion units.

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

The permittee shall maintain accurate and comprehensive records of the amount of natural gas fired by the combustion units incorporated in Source ID 031 in each month and the 12-month rolling total fuel usage of Source IDs 031 and 032 for each month to verify compliance with the fuel throughput restriction. All records generated pursuant to this condition shall be retained for at least five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall maintain accurate and comprehensive records of the following on a monthly basis:

(1) The total combined emissions of volatile organic compounds from Source ID 031 during the previous month and the 12-month rolling total emissions from Source ID 031 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, including the supporting monthly fuel usage data and emissions calculations.

(2) The total combined emissions of each hazardous air pollutant from Source ID 031 during the previous month and the 12-month rolling total emissions from Source ID 031 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, including the supporting monthly fuel usage data and emissions calculations.

(3) The total combined emissions of all hazardous air pollutants from Source ID 031 during the previous month and the 12-month rolling total emissions from Source ID 031 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, including the supporting monthly fuel usage data and emissions calculations.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit reports on a semiannual basis of the amount of natural gas fired during each of the months in each half of any calendar year by the combustion units incorporated in Source ID 031 and the 12-month rolling total fuel usage of Source IDs 031 and 032 for each month to verify compliance with the fuel throughput restriction. The semi-annual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30 time period.

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

(a) The permittee shall submit reports on a semi-annual basis of the following:

(1) The total combined emissions of volatile organic compounds from Source ID 031 during each of the months in each half of any calendar year and the 12-month rolling total emissions from Source ID 031 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.

(2) The total combined emissions of each hazardous air pollutant from Source ID 031 during each of the months in each half of any calendar year and the 12-month rolling total emissions from Source ID 031 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.

(3) The total combined emissions of all hazardous air pollutants from Source ID 031 during each of the months in each half of any calendar year and the 12-month rolling total emissions from Source ID 031 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.

(b) The semiannual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30. The reports shall include all supporting documentation used and/or calculations performed in the determination of the reported monthly emissions values.

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

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

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(1) Source 031 is comprised of the following natural gas-fired combustion units:

- (a) Two 75,000 Btu per hour space heaters.
- (b) Sixty-nine 120,000 Btu per hour space heaters.
- (c) One 125,000 Btu per hour space heater.
- (d) One 8.369 million Btu per hour Cleaver Brooks model CB-408 boiler.

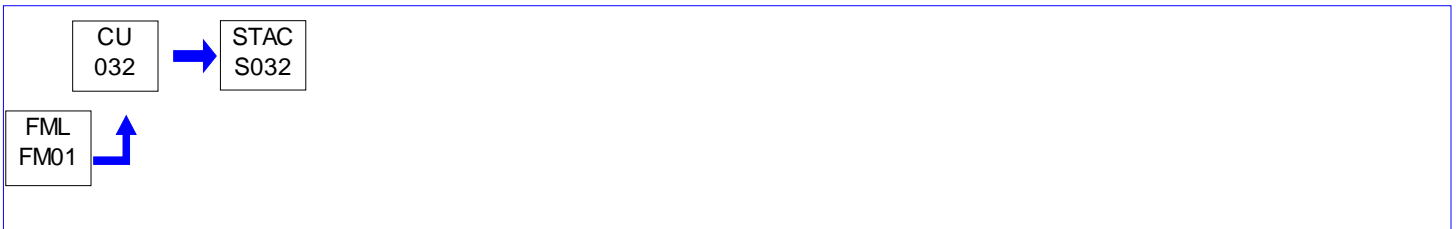
(2) The above combustion units were constructed prior to July 1, 2007.

**SECTION D. Source Level Requirements**

Source ID: 032

Source Name: COMBUSTION UNITS

Source Capacity/Throughput: 58.075 MMBTU/HR

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from the 5.0 million Btu per hour make-up air unit, located in the interior coating building, the two 3.125 million Btu per hour make-up air units, located in the interior coating building, the 3.125 million Btu per hour make-up air unit, located in the exterior coating building, the four 4.0 million Btu per hour, model 4000V, Industrial Combustion Engineers air heaters, located in the interior coating building, or the two 7.7 million Btu per hour, AA Series, Absolut Aire make-up heaters, located in the exterior coating building, incorporated in Source ID 032 in excess of 0.4 pounds per million Btu of heat input.

002 [25 Pa. Code §123.22]**Combustion units**

The permittee shall not permit the emission of sulfur oxides, expressed as SO₂, into the outdoor atmosphere from any of the combustion units incorporated in Source ID 032 in excess of 4 pounds per million Btu of heat input over any 1-hour period.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The combustion units incorporated in Source ID 032 shall only be fired on natural gas.

Throughput Restriction(s).**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

No more than a combined total of 259.03 million cubic feet of natural gas shall be used to fire the combustion units incorporated in Source IDs 031 and 032 in any 12 consecutive month period.

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

The permittee shall monitor the amount of natural gas combusted in Source ID 032 to determine the monthly fuel usage of

**SECTION D. Source Level Requirements**

the combustion units.

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

The permittee shall maintain accurate and comprehensive records of the amount of natural gas fired by the combustion units incorporated in Source ID 032 in each month and the 12-month rolling total fuel usage of Source IDs 031 and 032 for each month to verify compliance with the fuel throughput restriction. All records generated pursuant to this condition shall be retained for at least five (5) years and shall be made available to the Department upon request.

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

- (a) The permittee shall maintain accurate and comprehensive records of the following on a monthly basis:
- (1) The total combined emissions of volatile organic compounds from Source ID 032 during the previous month and the 12-month rolling total emissions from Source ID 032 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, including the supporting monthly fuel usage data and emissions calculations.
 - (2) The total combined emissions of each hazardous air pollutant from Source ID 032 during the previous month and the 12-month rolling total emissions from Source ID 032 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, including the supporting monthly fuel usage data and emissions calculations.
 - (3) The total combined emissions of all hazardous air pollutants from Source ID 032 during the previous month and the 12-month rolling total emissions from Source ID 032 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, including the supporting monthly fuel usage data and emissions calculations.
- (b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

The permittee shall submit reports on a semiannual basis of the amount of natural gas fired during each of the months in each half of any calendar year by the combustion units incorporated in Source ID 032 and the 12-month rolling total fuel usage of Source IDs 031 and 032 for each month to verify compliance with the fuel throughput restriction. The semi-annual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30 time period.

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

- (a) The permittee shall submit reports on a semi-annual basis of the following:
- (1) The total combined emissions of volatile organic compounds from Source ID 032 during each of the months in each half of any calendar year and the 12-month rolling total emissions from Source ID 032 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.
 - (2) The total combined emissions of each hazardous air pollutant from Source ID 032 during each of the months in each half of any calendar year and the 12-month rolling total emissions from Source ID 032 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.
 - (3) The total combined emissions of all hazardous air pollutants from Source ID 032 during each of the months in each half of any calendar year and the 12-month rolling total emissions from Source ID 032 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.

SECTION D. Source Level Requirements

(b) The semiannual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30. The reports shall include all supporting documentation used and/or calculations performed in the determination of the reported monthly emissions values.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Source 032 is comprised of the following natural gas-fired combustion units:

- (a) Four 0.1 million Btu per hour, model "Coray Vac," Roberts Gordon radiant heaters, located in the exterior coating building;
- (b) One 5.0 million Btu per hour make-up air unit, located in the interior coating building;
- (c) Two 3.125 million Btu per hour make-up air units, located in the interior coating building;
- (d) One 3.125 million Btu per hour make-up air unit, located in the exterior coating building;
- (e) Three 1.2 million Btu per hour make-up air units, located in the exterior coating building;
- (f) Three 1.2 million Btu per hour make-up air units, located in the railcar cleaning building;
- (g) Three 1.2 million Btu per hour make-up air units, located in the inspection building;
- (h) Four 4.0 million Btu per hour, model 4000V, Industrial Combustion Engineers air heaters, located in the interior coating building;
- (i) One 1.0 million Btu per hour, model 15000MX, Industrial Combustion Engineers portable air heater, located in the interior coating building;
- (j) Two 7.7 million Btu per hour, AA Series, Absolut Aire make-up heaters, located in the exterior coating building; and
- (k) One 0.1 million Btu per hour heater, located in the main office.

SECTION D. Source Level Requirements

Source ID: P201

Source Name: INTERIOR SURFACE COATING OPERATION

Source Capacity/Throughput:

0.022 Tons/HR

SOLVENT

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.1, 127.12 and 129.52d]

The content of volatile organic compounds (VOCs) in each surface coating product used in Source ID P201, as applied, excluding water and exempt compounds, shall be equal to or less than the VOC content limit in units of pounds of VOCs per gallon of coating (lb VOCs/gal coating) for the applicable coating category, as specified below.

General One-component – 2.8

General Multicomponent – 2.8

Extreme High-gloss – 3.5

Extreme Performance – 3.5

Heat-resistant – 3.5

High-temperature – 3.5

Metallic – 3.5

Military Specification – 2.8

Pretreatment – 3.5

Touch-up and Repair – 3.5

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined emissions of volatile organic compounds from Source IDs P201 and P202 shall not exceed 45.0 tons in any 12 consecutive month period.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the emission of filterable particulate matter into the outdoor atmosphere from Source ID P201 in such a manner that the concentration in the effluent gas from Control Device ID C201 exceeds 0.0033 grains per dry standard cubic foot of effluent gas volume. Additionally, the emission of filterable particulate matter, including particulate matter with an aerodynamic diameter of 10 microns or less, from Source ID P201 shall not exceed 3.72 tons in any 12 consecutive month period.

**SECTION D. Source Level Requirements**

[Compliance with the PM emission limitation in this permit condition also ensures compliance with the applicable standard as specified in 25 Pa. Code Section 123.13.]

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The content of volatile hazardous air pollutants (HAPs) in each surface coating product used in Source P201, as applied, shall be equal to or less than 2.64 pounds of HAPs per gallon of coating (lb HAPs/gal coating).

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined emissions of all hazardous air pollutants from Source IDs P201 and P202 shall not exceed 21.0 tons in any 12 consecutive month period.

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

The permittee shall monitor the emissions of volatile organic compounds, any hazardous air pollutant, and all hazardous air pollutants by maintaining monthly records as required below under recordkeeping requirements and perform emissions calculations no later than the end of each calendar month to determine the 12-month rolling total emissions of these pollutants during the preceding 12-month period from Source IDs P201 and P202.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Device C201 shall be equipped with instrumentation to continuously monitor the differential pressure across each set of filter banks.

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

(a) The permittee shall maintain accurate and comprehensive records of the following on a monthly basis:

(1) The total combined emissions of volatile organic compounds in each calendar month and the 12-month rolling total emissions from Source IDs P201 and P202 for each month to verify compliance with the emission restriction, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation including the coating, thinner and component usage data.

(2) The total combined emissions of all hazardous air pollutants in each calendar month and the 12-month rolling total emissions from Source IDs P201 and P202 for each month to verify compliance with the emission restriction, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation including the coating, thinner and component usage data.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be

**SECTION D. Source Level Requirements**

made available to the Department upon request.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.52d]

(a) The permittee shall maintain accurate and comprehensive records of the following:

- (1) The identity and amount of each coating, thinner, and component used in Source ID P201 each month. These records shall be based on actual, empirical usage data; usage estimates are not acceptable. Additionally, all material usage records shall be maintained on a daily basis and organized into a monthly format. The daily records shall show the identity and amount of each batch of surface coating product mixed for application as well as the identity and amount of each coating, thinner, and component added to the batch. The daily records shall also include the certification that is signed by the responsible official or supervisor of spray coating operations (or equivalent as determined by the Department), and specifies, "The spray coatings used at the facility do not contain any of the target hazardous air pollutants in 40 CFR Part 63 Subpart HHHHHH, except for spray coating applications that meet the definition of facility maintenance in 40 CFR Section 63.11180."
- (2) The product composition sheets which identify the density or specific gravity, the weight percent of total volatiles, water, solids and exempt solvents, the volume percent of total volatiles, water and exempt solvents of each coating, thinner, and component, as supplied, used in Source ID P201.
- (3) The surface coating product recipe sheets which identify the mix ratios of each coating, thinner, component, additive, filler, etc. used to formulate each surface coating product applied in Source ID P201.
- (4) The material safety data sheets (or equivalent) of each coating, thinner, component, additive, filler, etc. used to formulate each surface coating product applied in Source ID P201 each month.
- (5) The content of volatile organic compounds (VOCs) of each surface coating product used in Source ID P201, as applied, including the calculations used to show compliance with the applicable VOCs content restriction and the supporting documentation used to determine the applicable coating category.
- (6) The content of all hazardous air pollutants (HAPs) of each surface coating product used in Source ID P201, as applied, including the calculations used to show compliance with the HAPs content restriction.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall maintain accurate and comprehensive records of the following on a monthly basis:

- (1) The total combined emissions of each hazardous air pollutant in each calendar month and the 12-month rolling total emissions from Source ID P201 to verify compliance with the synthetic minor emission restriction as specified in Section C, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation including the coating, thinner and component usage data.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall submit reports on a semi-annual basis of the following:

- (1) The identity and quantity of each surface coating and thinner used in Source ID P201 during the months in each half of

SECTION D. Source Level Requirements

any calendar year.

(2) The density and the contents of volatile organic compounds and hazardous air pollutants for each surface coating and thinner used in Source ID P201 during the months in each half of any calendar year.

(3) The total combined emissions of volatile organic compounds from Source ID P201 during the months in each half of any calendar year and the 12-month rolling total emissions from Source IDs P201 and P202 for each month to verify compliance with the emission restriction.

(4) The total combined emissions of all hazardous air pollutants from Source ID P201 during the months in each half of any calendar year and the 12-month rolling total emissions from Source IDs P201 and P202 for each month to verify compliance with the emission restriction.

(5) The total combined emissions of each hazardous air pollutant from Source ID P201 during the months in each half of any calendar year and the 12-month rolling total emissions from Source ID P201 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.

(b) The semiannual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30. The reports shall include all supporting documentation used and/or calculations performed in the determination of the reported monthly emissions values.

VI. WORK PRACTICE REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Only those surface coatings and thinners which have been identified in Plan Approval Application 17-00017B and approved by the Department, or have been subsequently approved by the Department since plan approval issuance, shall be used in Source ID P201. Approval to use surface coatings and thinners not currently authorized for use may be requested by the permittee by submitting a written request to the Department. The request shall contain sufficient supporting documentation which demonstrates the surface coating and/or thinner complies with all conditions specified herein. The permittee shall not use the subject coating and/or thinner until Department approval has been granted.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12, and 129.52d]

The permittee shall not cause or permit the emission into the outdoor atmosphere of VOCs from Source ID P201 unless the surface coating products are applied using one or more of the following coating application methods:

- (1) Electrostatic coating.
- (2) Flow coating.
- (3) Dip coating, including electrodeposition.
- (4) Roll coating.
- (5) High volume-low pressure (HVLP) spray coating.
- (6) Airless spray coating.
- (7) Air-assisted airless spray coating.

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(8) Other coating application method if approved in writing by the Department prior to use.

(i) The coating application method must be capable of achieving a transfer efficiency equivalent to or better than that achieved by HVLP spray coating.

(ii) The permittee shall submit the request for approval to the Department in writing.

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

(a) The surface coatings used in Source ID P201 shall only be thinned by those thinners which have been identified as compatible in Plan Approval Application 17-00017B and approved by the Department, or have been subsequently approved by the Department since plan approval issuance. Additionally, except for those surface coatings identified below, no more than 10% thinner shall be added to any coating. 10% shall be interpreted to be 1 gallon thinner for every 10 gallons coating.

(b) The surface coatings listed below shall not be thinned more than the ratios specified:
Product #505-003162 (Plasite 7122-TFE Light Gray) shall be thinned no more than 3%.

Product #505-003500 (Plasite 7133 Light Blue) shall be thinned no more than 5%.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.1, 127.12 and 129.52d]

The permittee shall comply with the following work practices.

(1) Store all solvents, coatings, thinners, coating-related waste materials used in Source ID P201, including any volatile organic compound-containing materials, any hazardous air pollutant-containing materials, and acetone-containing materials, in closed containers.

(2) Ensure that mixing and storage containers used for the materials identified in paragraph (1) of this condition are kept closed at all times, except when depositing or removing these materials.

(3) Minimize spills of the materials identified in paragraph (1) of this condition and clean up spills immediately.

(4) Convey the materials identified in paragraph (1) of this condition from one location to another in closed containers or pipes.

(5) Under no circumstances shall any of the materials identified in paragraph (1) of this condition be treated in any manner which intentionally promotes evaporative loss.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P201 is an interior surface coating operation comprised of six staging bays with each bay incorporating two railcar staging areas (one railcar in front, one railcar in back). Each railcar staging area (12 total) shall incorporate a pickup point equipped with a 12"x 16"x 1" Columbus Industries overspray filter which is ducted to one of two (2) exhaust plenums (front railcars shall exhaust to one plenum while the back railcars shall exhaust to the other plenum). The particulate matter emissions from each plenum shall be controlled by a Columbus Industries High-capacity Supra II mini-mesh filter system (2 total), each containing thirty-six (36) 20"x 20"x 2" fiberglass filters (Control Device C201).

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

Source ID P201 is subject to 25 Pa. Code Section 129.52d, (related to control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings). The permittee shall comply with all applicable requirements pertaining to Source ID P201, as specified in 25 Pa.



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Code Section 129.52d.

**SECTION D. Source Level Requirements**

Source ID: P202

Source Name: EXTERIOR SURFACE COATING OPERATION

Source Capacity/Throughput:

0.022 Tons/HR

SOLVENT

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The content of volatile hazardous air pollutants (HAPs) in each surface coating product used in Source P202, as applied, shall be equal to or less than 2.64 pounds of HAPs per gallon of coating (lb HAPs/gal coating).

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.1, 127.12 and 129.52d]

The content of volatile organic compounds (VOCs) in each surface coating product used in Source ID P202, as applied, excluding water and exempt compounds, shall be equal to or less than the VOC content limit in units of pounds of VOCs per gallon of coating (lb VOCs/gal coating) for the applicable coating category, as specified below.

General One-component – 2.8

General Multicomponent – 2.8

Extreme High-gloss – 3.5

Extreme Performance – 3.5

Heat-resistant – 3.5

High-temperature – 3.5

Metallic – 3.5

Military Specification – 2.8

Pretreatment – 3.5

Touch-up and Repair – 3.5

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the emission of filterable particulate matter into the outdoor atmosphere from Source ID P202 in such a manner that the concentration in the effluent gas from Control Device ID C202 exceeds 0.002 grains per dry standard cubic foot of effluent gas volume. Additionally, the emission of filterable particulate matter, including particulate matter with an aerodynamic diameter of 10 microns or less, from Source ID P202 shall not exceed 12.00 tons in any 12 consecutive month period.

**SECTION D. Source Level Requirements**

[Compliance with the PM emission limitation in this permit condition also ensures compliance with the applicable standard as specified in 25 Pa. Code Section 123.13.]

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined emissions of volatile organic compounds from Source IDs P201 and P202 shall not exceed 45.0 tons in any 12 consecutive month period.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined emissions of all hazardous air pollutants from Source IDs P201 and P202 shall not exceed 21.0 tons in any 12 consecutive month period.

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

The permittee shall monitor the emissions of volatile organic compounds, any hazardous air pollutant, and all hazardous air pollutants by maintaining monthly records as required below under recordkeeping requirements and perform emissions calculations no later than the end of each calendar month to determine the 12-month rolling total emissions of these pollutants during the preceding 12-month period from Source IDs P201 and P202.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Device C202 shall be equipped with instrumentation to continuously monitor the differential pressure across the filter banks for each spray booth.

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

(a) The permittee shall maintain accurate and comprehensive records of the following on a monthly basis:

(1) The total combined emissions of each hazardous air pollutant in each calendar month and the 12-month rolling total emissions from Source ID P202 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation including the coating, thinner and component usage data.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall maintain accurate and comprehensive records of the following on a monthly basis:

SECTION D. Source Level Requirements

(1) The total combined emissions of volatile organic compounds in each calendar month and the 12-month rolling total emissions from Source IDs P201 and P202 for each month to verify compliance with the emission restriction, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation including the coating, thinner and component usage data.

(2) The total combined emissions of all hazardous air pollutants in each calendar month and the 12-month rolling total emissions from Source IDs P201 and P202 for each month to verify compliance with the emission restriction, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation including the coating, thinner and component usage data.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.52d]

(a) The permittee shall maintain accurate and comprehensive records of the following:

(1) The identity and amount of each coating, thinner, and component used in Source ID P202 each month. These records shall be based on actual, empirical usage data; usage estimates are not acceptable. Additionally, all material usage records shall be maintained on a daily basis and organized into a monthly format. The daily records shall show the identity and amount of each batch of surface coating product mixed for application as well as the identity and amount of each coating, thinner, and component added to the batch. The daily records shall also include the certification that is signed by the responsible official or supervisor of spray coating operations (or equivalent as determined by the Department), and specifies, "The spray coatings used at the facility do not contain any of the target hazardous air pollutants in 40 CFR Part 63 Subpart HHHHHH, except for spray coating applications that meet the definition of facility maintenance in 40 CFR Section 63.11180."

(2) The product composition sheets which identify the density or specific gravity, the weight percent of total volatiles, water, solids and exempt solvents, the volume percent of total volatiles, water and exempt solvents of each coating, thinner, and component, as supplied, used in Source ID P202.

(3) The surface coating product recipe sheets which identify the mix ratios of each coating, thinner, component, additive, filler, etc. used to formulate each surface coating product applied in Source ID P202.

(4) The material safety data sheets (or equivalent) of each coating, thinner, component, additive, filler, etc. used to formulate each surface coating product applied in Source ID P202 each month.

(5) The content of volatile organic compounds (VOCs) of each surface coating product used in Source ID P202, as applied, including the calculations used to show compliance with the applicable VOCs content restriction and the supporting documentation used to determine the applicable coating category.

(6) The content of all hazardous air pollutants (HAPs) of each surface coating product used in Source ID P202, as applied, including the calculations used to show compliance with the HAPs content restriction.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall submit reports on a semi-annual basis of the following:

(1) The identity and quantity of each surface coating and thinner used in Source ID P202 during the months in each half of any calendar year.

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- (2) The density and the contents of volatile organic compounds and hazardous air pollutants for each surface coating and thinner used in Source ID P202 during the months in each half of any calendar year.
- (3) The total combined emissions of volatile organic compounds from Source ID P202 during the months in each half of any calendar year and the 12-month rolling total emissions from Source IDs P201 and P202 for each month to verify compliance with the emission restriction.
- (4) The total combined emissions of all hazardous air pollutants from Source ID P202 during the months in each half of any calendar year and the 12-month rolling total emissions from Source IDs P201 and P202 for each month to verify compliance with the emission restriction.
- (5) The total combined emissions of each hazardous air pollutant from Source ID P202 during the months in each half of any calendar year and the 12-month rolling total emissions from Source ID P202 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.
- (b) The semiannual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30. The reports shall include all supporting documentation used and/or calculations performed in the determination of the reported monthly emissions values.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12, and 129.52d]

The permittee shall not cause or permit the emission into the outdoor atmosphere of VOCs from Source ID P202 unless the surface coating products are applied using one or more of the following coating application methods:

- (1) Electrostatic coating.
- (2) Flow coating.
- (3) Dip coating, including electrodeposition.
- (4) Roll coating.
- (5) High volume-low pressure (HVLP) spray coating.
- (6) Airless spray coating.
- (7) Air-assisted airless spray coating.
- (8) Other coating application method if approved in writing by the Department prior to use.
 - (i) The coating application method must be capable of achieving a transfer efficiency equivalent to or better than that achieved by HVLP spray coating.
 - (ii) The permittee shall submit the request for approval to the Department in writing.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Only those surface coatings and thinners which have been identified in Plan Approval Application 17-00017B and approved by the Department, or have been subsequently approved by the Department since plan approval issuance, shall be used in Source ID P202. Approval to use surface coatings and thinners not currently authorized for use may be requested by the

**SECTION D. Source Level Requirements**

permittee by submitting a written request to the Department. The request shall contain sufficient supporting documentation which demonstrates the surface coating and/or thinner complies with all conditions specified herein. The permittee shall not use the subject coating and/or thinner until Department approval has been granted.

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

(a) The surface coatings used in Source ID P202 shall only be thinned by those thinners which have been identified as compatible in Plan Approval Application 17-00017B and approved by the Department, or have been subsequently approved by the Department since plan approval issuance. Additionally, except for those surface coatings identified below, no more than 10% thinner shall be added to any coating. 10% shall be interpreted to be 1 gallon thinner for every 10 gallons coating.

(b) The surface coatings listed below shall not be thinned more than the ratios specified:
Product #520-000750 (Imron High-Solids Enamel) shall be thinned no more than 1%.

Product #520-000800 (Imron White Polyurethane Enamel) shall be thinned no more than 5%.

Product #520-000956 (Imron Shale Gray) shall be thinned no more than 9%.

Product #520-003800 (DuPont Salmon Primer 525-333) shall be thinned no more than 5%.

Product #540-000430 (Hempel Gray) shall be thinned no more than 7%.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.1, 127.12 and 129.52d]

The permittee shall comply with the following work practices.

(1) Store all solvents, coatings, thinners, coating-related waste materials used in Source ID P202, including any volatile organic compound-containing materials, any hazardous air pollutant-containing materials, and acetone-containing materials, in closed containers.

(2) Ensure that mixing and storage containers used for the materials identified in paragraph (1) of this condition are kept closed at all times, except when depositing or removing these materials.

(3) Minimize spills of the materials identified in paragraph (1) of this condition and clean up spills immediately.

(4) Convey the materials identified in paragraph (1) of this condition from one location to another in closed containers or pipes.

(5) Under no circumstances shall any of the materials identified in paragraph (1) of this condition be treated in any manner which intentionally promotes evaporative loss.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P202 is an exterior surface coating operation comprised of two 25'x25'x83' model TSD 202280 PDT Col Met (or equivalent) side downdraft surface coating spray booths. The particulate matter emissions from each booth shall be controlled by a Hoffman filter system (or equivalent) incorporating one hundred and twenty 20"x20"x2" fiberglass overspray filters.

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

Source ID P202 is subject to 25 Pa. Code Section 129.52d, (related to control of VOC emissions from miscellaneous metal



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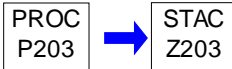
parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings). The permittee shall comply with all applicable requirements pertaining to Source ID P202, as specified in 25 Pa. Code Section 129.52d.

**SECTION D. Source Level Requirements**

Source ID: P203

Source Name: SURFACE COATING CLEANUP

Source Capacity/Throughput: 3.000 Lbs/HR MEK

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The emissions of methyl ethyl ketone from Source P203 shall not exceed 3.0 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 129.52d]

(a) The permittee shall maintain accurate and comprehensive records of the following information for the cleaning solvent (methyl ethyl ketone, "MEK") used in Source ID P203.

(1) The volume of the cleaning solvent used each calendar month in Source ID P203, as well as the supporting documentation used to determine the amount of MEK emitted each calendar month from Source ID P203.

(2) The product composition sheet which identify the density or specific gravity, the weight percent of total volatiles, water, solids and exempt solvents, the volume percent of total volatiles, water and exempt solvents of the cleaning solvent, as supplied, used in Source ID P203.

(3) The VOC/MEK content of the cleaning solvent, as supplied.

(4) The VOC/MEK content of the cleaning solvent, as applied

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall maintain accurate and comprehensive records of the following on a monthly basis:

(1) The total combined emissions of MEK/volatile organic compound from Source ID P203 during the previous month and the 12-month rolling total emissions from Source ID P203 for each month to verify compliance with the synthetic minor

**SECTION D. Source Level Requirements**

emission restriction as specified in Section C, including the supporting monthly clean-up solvent usage data and emissions calculations.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall submit reports on a semi-annual basis of the total combined emissions of methyl ethyl ketone (MEK) from Source ID P203 in each of the months in each half of any calendar year and the 12-month rolling total emissions for each month, including all supporting documentation used and/or calculations performed in the determination of the reported monthly emissions values.

(b) The semi-annual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30 time period.

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

(a) The permittee shall submit reports on a semi-annual basis of the following:

(1) The total combined emissions of volatile organic compounds from Source ID P203 during the months in each half of any calendar year and the 12-month rolling total emissions from Source ID P203 for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.

(b) The semiannual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30. The reports shall include all supporting documentation used and/or calculations performed in the determination of the reported monthly emissions values.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Methyl ethyl ketone shall be the only solvent used for clean-up of any surface coating equipment at this facility.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 127.1, 127.12 and 129.52d]

The permittee shall comply with the following work practices.

(1) Store all methyl ethyl ketone (MEK) and all spent solvent in closed containers.

(2) Ensure that the mixing vessels and storage containers used for the materials identified in paragraph (1) of this condition are kept closed at all times except when depositing or removing these materials. Solvent-wet rags, cloths, shop towels or any other surface coating equipment cleanup-related waste material shall be kept in closed containers when not in actual use

(3) Minimize spills of the materials identified in paragraph (1) of this permit condition and clean up spills immediately.

(4) Convey the materials identified in paragraph (1) of this permit condition from one location to another in closed containers or pipes.

(5) Minimize emissions of MEK from cleaning of application, storage, mixing or conveying equipment by ensuring that equipment cleaning is performed without atomizing the solvent and all spent solvent is captured in closed containers.

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Spray equipment, lines, etc. used in Source P201 and Source P202 shall be cleaned by either flushing a solid liquid stream of solvent into a container or by soaking spray guns in an enclosed container of solvent. Under no circumstances shall solvent be flushed into a container in the form of an atomized spray or flushed/sprayed into the atmosphere.

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

Source ID P203 is subject to 25 Pa. Code Section 129.52d, (related to control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings). The permittee shall comply with all applicable requirements pertaining to Source ID P203, as specified in 25 Pa. Code Section 129.52d

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P203 is a surface coating cleanup operation.

SECTION D. Source Level Requirements

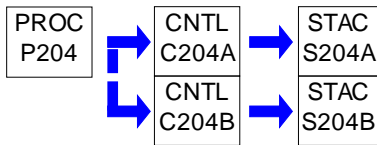
Source ID: P204

Source Name: ABRASIVE BLASTING OPERATION

Source Capacity/Throughput:

0.024 Tons/HR

ABRASIVE MATERIAL

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from the interior and exterior abrasive blasting booths incorporated in Source P204 in such a manner that the concentration in the effluent gas from Control Device C204A and Control Device C204B exceeds 0.005 grains per dry standard cubic foot of effluent gas volume. Additionally, the emission of particulate matter, including particulate matter with an aerodynamic diameter of 10 microns or less, from the interior and exterior abrasive blasting booths incorporated in Source P204 shall not exceed 9.02 tons and 4.69 tons in any 12 consecutive month period, respectively.

Compliance with this condition also ensures compliance with 25 Pa. Code Section 123.13.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Device C204A and Control Device C204B shall each be equipped with instrumentation to continuously monitor the differential pressure across the respective collector.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain accurate and comprehensive records of the total number of hours that abrasive blasting occurs in each booth incorporated in Source P204 for each month. All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The compressed air system(s) associated with Control Device C204A and Control Device C204B shall be equipped with an air dryer(s) and oil trap(s).

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall keep on hand a sufficient quantity of spare collector cartridges for Control Device C204A and Control Device C204B in order to be able to immediately replace any cartridges requiring replacement due to deterioration resulting from routine operation of Source P204 and Control Device C204A or Source P204 and Control Device C204B.

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

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

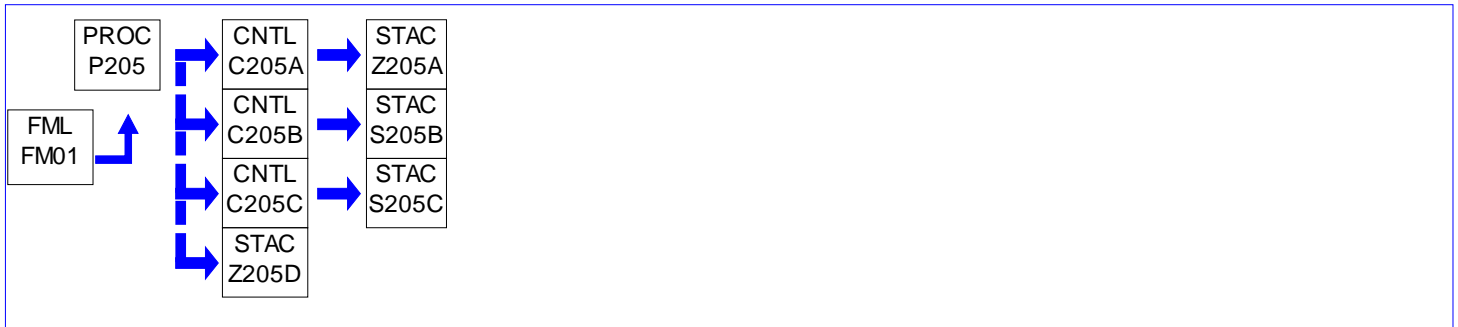
Source P204 is comprised of a railcar exterior abrasive blasting operation incorporating a 20'W x 22'H x 80'L Hoffman Blast (or equivalent) "flow through" type blasting booth equipped with an abrasive reclaim floor and abrasive recycling system, the particulate matter emissions from which shall be controlled by a Farr model Gold Cone GS-24 (or equivalent) reverse pulse cartridge collector (Control Device C204A). Source P204 is also comprised of a railcar interior abrasive blasting operation incorporating two 20'W x 22'H x 80'L Hoffman Blast (or equivalent) "flow through" type blasting booths equipped with abrasive reclaim floors and abrasive recycling systems, the particulate matter emissions from which shall be controlled by a Torit model DFT4-80 reverse pulse cartridge collector (Control Device C204B).

SECTION D. Source Level Requirements

Source ID: P205

Source Name: RAILCAR CLEANING OPERATION

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The total combined emissions of volatile organic compounds from railcars vented to Control Device C205A shall not exceed 3.98 tons in any 12 consecutive month period and the total combined emissions of all hazardous air pollutants from railcars vented to Control Device C205A shall not exceed 2.40 tons in any 12 consecutive month period.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The total combined emissions of all hazardous air pollutants from railcars vented to Control Device C205B shall not exceed 4.81 tons in any 12 consecutive month period.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The total combined emissions of volatile organic compounds from railcars vented to Control Device C205C shall not exceed 0.11 tons in any 12 consecutive month period and the total combined emissions of all hazardous air pollutants from railcars vented to Control Device C205C shall not exceed 0.07 tons in any 12 consecutive month period.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The total combined emissions of volatile organic compounds from Source P205 shall not exceed 5.58 tons in any 12 consecutive month period.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The total combined emissions of volatile organic compounds from railcars vented directly to atmosphere shall not exceed 1.48 tons in any 12 consecutive month period and the total combined emissions of all hazardous air pollutants from railcars vented directly to atmosphere shall not exceed 0.07 tons in any 12 consecutive month period.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

Natural gas shall be the only auxiliary fuel used to fire Control Device C205A.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The total combined number of railcars vented to Control Device C205A which last contained ethylene or propylene oxide shall not exceed 100 railcars in any 12 consecutive month period and the total combined number of all railcars vented to Control Device C205A shall not exceed 1,400 in any 12 consecutive month period.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The total combined number of railcars vented to Control Device C205B which last contained chlorine shall not exceed 350 railcars in any 12 consecutive month period and the total combined number of railcars vented to Control Device C205B which last contained hydrogen chloride shall not exceed 500 railcars in any 12 consecutive month period.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The total combined number of railcars vented to Control Device C205C which last contained trichloroethylene or diisobutylene shall not exceed 500 railcars in any 12 consecutive month period and the total combined number of all railcars vented to Control Device C205C shall not exceed 3,000 in any 12 consecutive month period.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The total combined number of railcars vented directly to atmosphere which last contained lube oil, mineral oil, peanut oil, vegetable oil, cottonseed oil or polypropylene glycol shall not exceed 700 railcars in any 12 consecutive month period and the total combined number of all railcars vented directly to atmosphere shall not exceed 3,200 in any 12 consecutive month period. This limitation does not apply to railcars which last contained not volatile commodities.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

Control Device C205B shall be equipped with instrumentation to continuously monitor the recirculation flow rate, the scrubbing solution pH and the differential pressure across the control device.

**SECTION D. Source Level Requirements****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

Control Device C205C shall be equipped with instrumentation to continuously monitor the differential pressure across the control device.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The two carbon adsorption canisters incorporated in Control Device C205C shall each be equipped with breakthrough indicator tubes which indicate when the activated carbon in the respective canister is expended. The carbon canister shall be replaced with a fresh canister whenever the breakthrough indicator tube indicates the activated carbon is expended.

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

(a) The permittee shall maintain accurate and comprehensive records of the following:

- (1) The total number of railcars and the identity of the commodity last contained in each of the railcars which are vented to Control Device C205A each month.
- (2) The total combined amount of volatile organic compounds emitted each month from railcars vented to Control Device C205A and the 12-month rolling total emissions for each month to verify compliance with the emission, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.
- (3) The total combined amount of all hazardous air pollutants emitted each month from the railcars vented to Control Device C205A and the 12-month rolling total emissions for each month to verify compliance with the emission restriction, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.
- (4) The total combined amount of each hazardous air pollutant emitted each month from the railcars vented to Control Device C205A and the 12-month rolling total emissions for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall maintain accurate and comprehensive records of the following:

- (1) The total number of railcars and the identity of the commodity last contained in each of the railcars which are vented to Control Device C205B each month.
- (2) The total combined amount of all hazardous air pollutants emitted each month from the railcars vented to Control Device C205B and the 12-month rolling total emissions for each month to verify compliance with the emission restriction, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.
- (3) The total combined amount of each hazardous air pollutant emitted each month from the railcars vented to Control Device C205B and the 12-month rolling total emissions for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall maintain accurate and comprehensive records of the following:

- (1) The total number of railcars and the identity of the commodity last contained in each of the railcars which are vented to Control Device C205C each month.
- (2) The total combined amount of volatile organic compounds emitted each month from railcars vented to Control Device C205C and the 12-month rolling total emissions for each month to verify compliance with the emission restriction, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.
- (3) The total combined amount of all hazardous air pollutants emitted each month from the railcars vented to Control Device C205C and the 12-month rolling total emissions for each month to verify compliance with the emission restriction, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.
- (4) The total combined amount of each hazardous air pollutant emitted each month from the railcars vented to Control Device C205C and the 12-month rolling total emissions for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall maintain accurate and comprehensive records of the following:

- (1) The total number of railcars and the identity of the commodity last contained in each of the railcars which are vented directly to atmosphere each month. The value for the total number of railcars shall not include those railcars which last contained non-volatile commodities.
- (2) The total combined amount of volatile organic compounds emitted each month from railcars vented directly to atmosphere and the 12-month rolling total emissions for each month to verify compliance with the emission restriction, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.
- (3) The total combined amount of all hazardous air pollutants emitted each month from the railcars vented directly to atmosphere and the 12-month rolling total emissions for each month to verify compliance with the emission restriction, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.
- (4) The total combined amount of each hazardous air pollutant emitted each month from the railcars vented directly to atmosphere and the 12-month rolling total emissions for each month to verify compliance with the synthetic minor emission restriction as specified in Section C, as well as a copy of the calculations used to determine the respective emission values and a copy of all supporting documentation.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall submit reports on a semi-annual basis of the following:

- (1) The total number of railcars and the identity of the commodity last contained in each of the railcars which are vented to Control Device C205A during the months in each half of any calendar year.
- (2) The total combined amount of volatile organic compounds emitted from railcars which are vented to Control Device

**SECTION D. Source Level Requirements**

C205A during the months in each half of any calendar year and the 12-month rolling total emissions for each month to verify compliance with the emission restriction.

(3) The total combined amount of all hazardous air pollutants emitted from railcars which are vented to Control Device C205A during the months in each half of any calendar year and the 12-month rolling total emissions for each month to verify compliance with the emission restriction.

(4) The total combined amount of each hazardous air pollutant emitted from railcars which are vented to Control Device C205A during the months in each half of any calendar year and the 12-month rolling total emissions for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.

(b) The semi-annual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30 time period. The reports shall include all supporting documentation used and/or calculations performed in the determination of the reported monthly emissions values.

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

(a) The permittee shall submit reports on a semi-annual basis of the following:

(1) The total number of railcars and the identity of the commodity last contained in each of the railcars which are vented to Control Device C205B during the months in each half of any calendar year.

(2) The total combined amount of all hazardous air pollutants emitted from railcars which are vented to Control Device C205B during the months in each half of any calendar year and the 12-month rolling total emissions for each month to verify compliance with the emission restriction.

(3) The total combined amount of each hazardous air pollutant emitted from railcars which are vented to Control Device C205B during the months in each half of any calendar year and the 12-month rolling total emissions for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.

(b) The semi-annual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30 time period. The reports shall include all supporting documentation used and/or calculations performed in the determination of the reported monthly emissions values.

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

(a) The permittee shall submit reports on a semi-annual basis of the following:

(1) The total number of railcars and the identity of the commodity last contained in each of the railcars which are vented to Control Device C205C during the months in each half of any calendar year.

(2) The total combined amount of volatile organic compounds emitted from railcars which are vented to Control Device C205C during the months in each half of any calendar year and the 12-month rolling total emissions for each month to verify compliance with the emission restriction.

(3) The total combined amount of all hazardous air pollutants emitted from railcars which are vented to Control Device C205C during the months in each half of any calendar year and the 12-month rolling total emissions for each month to verify compliance with the emission restriction.

(4) The total combined amount of each hazardous air pollutant emitted from railcars which are vented to Control Device C205C during the months in each half of any calendar year and the 12-month rolling total emissions for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.

(b) The semi-annual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30 time period. The reports shall include all supporting documentation used and/or calculations performed in the determination of the reported monthly

**SECTION D. Source Level Requirements**

emissions values.

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

(a) The permittee shall submit reports on a semi-annual basis of the following:

(1) The total number of railcars and the identity of the commodity last contained in each of the railcars which are vented directly to atmosphere during the months in each half of any calendar year.

(2) The total combined amount of volatile organic compounds emitted from railcars which are vented directly to atmosphere during the months of each half of any calendar year and the 12-month rolling total emissions for each month to verify compliance with the emission restriction.

(3) The total combined amount of all hazardous air pollutants emitted from railcars which are vented directly to atmosphere during the months of each half in any calendar year and the 12-month rolling total emissions for each month to verify compliance with the emission restriction.

(4) The total combined amount of each hazardous air pollutant emitted from railcars which are vented directly to atmosphere during the months of each half in any calendar year and the 12-month rolling total emissions for each month to verify compliance with the synthetic minor emission restriction as specified in Section C.

(b) The semi-annual reports shall be submitted to the Department by no later than March 1 for the preceding July 1 through December 31 time period and September 1 for the preceding January 1 through June 30 time period. The reports shall include all supporting documentation used and/or calculations performed in the determination of the reported monthly emissions values.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The four 14,000 gallon storage tanks incorporated in Source P205 shall not be used to store liquids which have a vapor pressure greater than 1.5 pounds per square inch under actual storage conditions.

Compliance with this condition also ensures compliance with 25 Pa. Code Section 129.57.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The steam condensate tanks incorporated in Source P205 shall be filled with water or caustic solution whenever steam/condensate is vented to the tanks.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

Except during those 30 second periods which immediately follow the permittee opening the valve which allows the contents of the railcar to vent to Control Device C205A, the opacity of the exhaust plume from Control Device C205A shall not exceed 0% (other than steam or water vapor). At no time shall the opacity of the exhaust plume from Control Device C205A ever exceed 20% (other than steam or water vapor).

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

SECTION D. Source Level Requirements

Control Device C205A shall be equipped with a flame arrester and a piezoelectric ignition system which incorporates a heat sensor and shutoff mechanism.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

The recirculation flow rate of Control Device C205B shall be maintained at or above 25 gallons per minute and the pH of the scrubbing solution shall be maintained at a minimum of 11.0 whenever railcars are being vented to the control device.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

Commodities which have a vapor pressure of greater than 0.05 pounds per square inch atmosphere shall not be vented directly to atmosphere from Source P205.

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

[Additional authority is for this condition is also derived from 25 Pa. Code Section 127.1 and 127.12]

Only those railcars which last contained commodities which have been identified in Plan Approval Application 17-00017B and approved by the Department, or have been subsequently approved by the Department since plan approval issuance, shall be vented to the abatement systems incorporated in Source P205 or vented directly to atmosphere. Additionally, the railcars shall only be vented to the abatement system which has been identified in Plan Approval Application 17-00017B and approved by the Department, or has been subsequently approved by the Department since plan approval issuance, for that commodity (i.e. railcars last containing ethylene shall only be vented to Control Device C205A, railcars last containing chlorine shall only be vented to Control Device C205B, etc.) Railcars which last contained insecticides, herbicides or pesticides shall not be vented to the abatement systems incorporated in Source P205 or directly to atmosphere without prior approval from the Department.

VII. ADDITIONAL REQUIREMENTS.**# 029 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

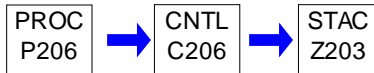
Source P205 is a railcar cleaning operation incorporating a general purpose car cleaning operation comprised of six work stations, four 14,000 gallon storage tanks and two 14,000 gallon steam condensate storage tanks. Source P205 also incorporates a pressure car cleaning operation comprised of three work stations. Unless the commodity last carried in the railcar has been approved to be vented directly to atmosphere, the air contaminant emissions which result from venting the contents of the railcars shall be controlled by either the Tornado Technologies (or equivalent) open type, air assisted flare (Control Device C205A), the 24"D x 14'H Vapor Technologies (or equivalent) countercurrent, vertical packed bed, caustic scrubber equipped with a 6" thick, stainless steel mist eliminator (Control Device C205B) or the two Calgon model MX-200 (or equivalent) Ventsorb canisters connected in series (Control Device C205C). Additionally, the four 14,000 gallon storage tanks shall be vented to Control Device C205C.

**SECTION D. Source Level Requirements**

Source ID: P206

Source Name: ABRASIVE BLASTING OPERATION (RAILCAR CLEANING)

Source Capacity/Throughput: 0.030 Tons/HR ABRASIVE MEDIA

**I. RESTRICTIONS.****Emission Restriction(s).**

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P206 in such a manner that the concentration of particulate matter in the effluent gas from Control Device C206 exceeds 0.005 grains per dry standard cubic foot of effluent gas volume. Additionally, the emission of particulate matter, including particulate matter with an aerodynamic diameter of 10 microns or less, from Source P206 shall not exceed 1.50 tons in any 12 consecutive month period.

Compliance with this condition also ensures compliance with 25 Pa. Code Section 123.13.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Device C206 shall be equipped with instrumentation to continuously monitor the differential pressure across the collector.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain accurate and comprehensive records of the total number of hours that abrasive blasting occurs in Source P206 for each month. All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

**SECTION D. Source Level Requirements**

The compressed air system associated with Control Device C206 shall be equipped with an air dryer and oil trap.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall keep on hand a sufficient quantity of spare collector cartridges for Control Device C206 in order to be able to immediately replace any cartridges requiring replacement due to deterioration resulting from routine operation of Source P206 and Control Device C206.

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this condition is also derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P206 is an abrasive blasting operation comprised of a 25 ton media hopper, a Hoffman grit delivery system and a Quiet Cube vacuum system. The particulate matter emissions from the abrasive blasting operation shall be controlled by a Farr Gold Series Model GS8 reverse pulse cartridge collector (Control Device C206).



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION G. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.



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