



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: May 30, 2019

Effective Date: May 30, 2019

Expiration Date: May 29, 2024

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

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

State Only Permit No: 12-00004

Federal Tax Id - Plant Code: 83-0598308-3

Owner Information

Name: WABTEC US RAIL INC (DBA GE TRANSPORTATION, A WABTEC CO)  
Mailing Address: 55 S PINE ST  
EMPORIUM, PA 15834-1529

Plant Information

Plant: GE TRANSPORTATION/EMPORIUM PLT  
Location: 12 Cameron County 12801 Emporium Borough  
SIC Code: 3743 Manufacturing - Railroad Equipment

Responsible Official

Name: JONATHAN STEHLE  
Title: PLANT MGR  
Phone: (814) 601 - 3372

Permit Contact Person

Name: JONATHAN STEHLE  
Title: PLANT MGR  
Phone: (814) 601 - 3372

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

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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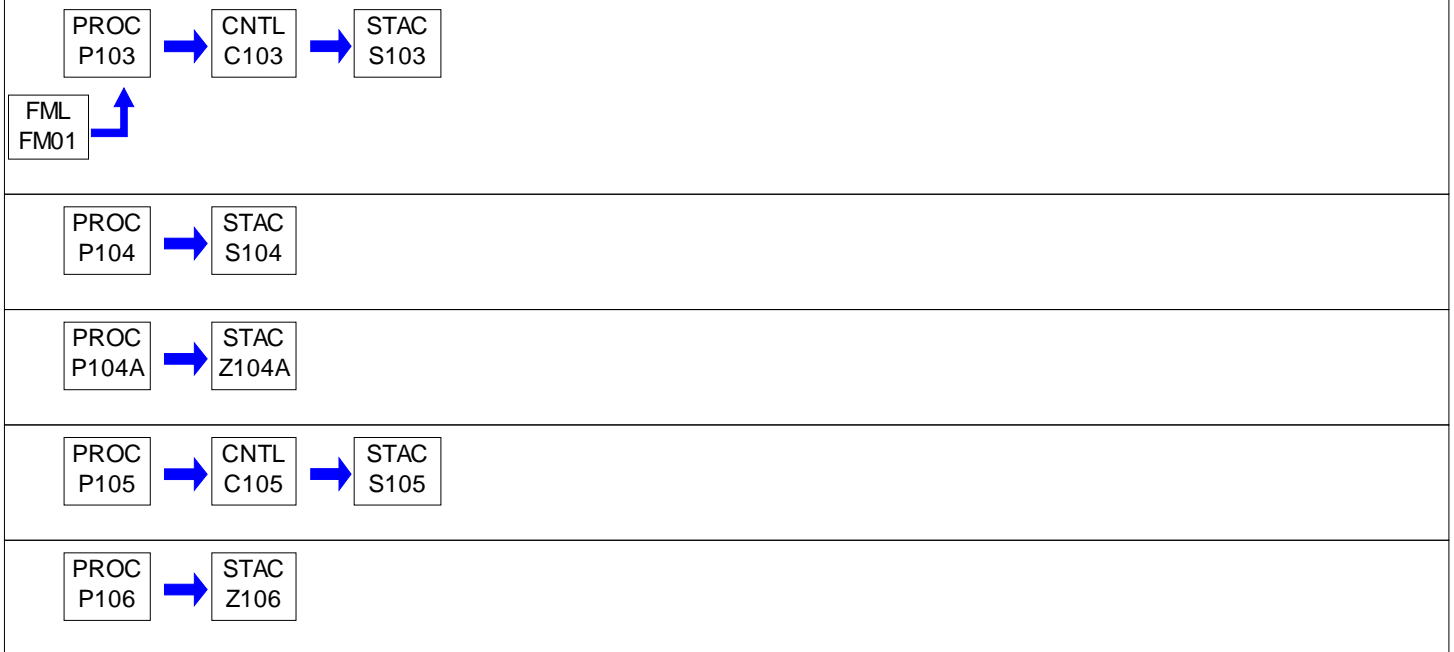
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**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

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



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- (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)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

No person may permit the emission into the outdoor atmosphere of fugitive air contaminants 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) 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,
- (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**

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #001(1)-(7) above, if the emissions are visible at the point the emissions pass outside the person's property.

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

No person may permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

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

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

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

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations,
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions,
- (3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).

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

(a) The permittee shall perform tests which determine through Method 24 of 40 CFR Part 60 and 25 Pa. Code Chapter 139, the volatile organic compound (VOC) content of each adhesive, coating, and solvent used at the facility.

OR

(b) The permittee shall maintain documentation from the supplier/manufacture (e.g., certified product data sheets) which certifies the volatile organic compound (VOC) content of each adhesive, coating, and solvent used at the facility.

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

(a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing an EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all

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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), two (2) copies of all submittals, besides notifications, shall be sent to the Pennsylvania Department of Environmental Protection, Northcentral Regional Office, Air Quality Program Manager, 208 West Third Street, Suite 101, Williamsport PA, 17701 with deadlines verified through document postmarks.

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

**# 007 [25 Pa. Code §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 such 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.

**# 008 [25 Pa. Code §139.11]****General requirements.**

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

(b) 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, as a minimum, all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue,
- (2) 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 effect emissions from the process,
- (3) The location of sampling ports,
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), static and barometric pressures,
- (5) 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,

**SECTION C. Site Level Requirements**

- (6) Laboratory procedures and results,  
 (7) Calculated results.

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

(a) The permittee shall conduct a weekly inspection of the facility during daylight hours while the facility is operating to detect visible emissions, visible fugitive emissions and malodors. Weekly inspections are necessary to determine:

- (1) The presence of visible emissions,
- (2) The presence of visible fugitive emissions,
- (3) The presence of malodors beyond the boundaries of the facility.

(b) All detected visible emissions, visible fugitive emissions or malodors that have the potential to exceed applicable limits shall be reported to the manager of the facility.

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

a. Pursuant to 25 Pa. Code Section 129.63a(h)(4), the permittee shall maintain monthly records of the industrial cleaning solvents used or applied at this facility sufficient to demonstrate that the total combined actual VOC emissions from all subject cleaning unit operations at the facility are less than 2.7 tons (2,455 kilograms) per 12-month rolling period, before consideration of controls.

b. These records shall be maintained for five years and made available to the Department upon request.

c. Should the VOC emissions resulting from the industrial cleaning solvent operations subject to 25 Pa. Code Section 129.63a ever equal or exceed 2.7 tons per 12-month rolling period, before consideration of controls, this facility shall be fully subject to all applicable provisions of Section 129.63a.

d. VOC emissions as a result of cleaning operations and/or solvent use identified under Source ID's P104, P104A, P105 and P106 in this operating permit are excluded from this recordkeeping requirement and do not count against the 2.7 ton threshold identified in this condition.

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

(a) The permittee shall keep a logbook of the facility's weekly inspections. The logbook shall include the name of the company representative performing the inspection, the date and time of inspections, any instances of exceedances of visible emissions limitations, visible fugitive emissions limitations and malodorous air emissions limitations, and the name of the manager informed if a potential exceedance is observed. The permittee shall also record any and all corrective action(s) taken to abate each recorded deviation to prevent future occurrences.

(b) These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall keep records of the tests conducted or documentation from the supplier/manufacture (e.g., certified product data sheets) used to determine or certify the volatile organic compound (VOC) content of each adhesive, coating, and solvent used at the facility.

(b) These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

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

Upon request by the Department, the permittee shall submit all requested reports in accordance with the Department's

**SECTION C. Site Level Requirements**

suggested format.

**# 014 [25 Pa. Code §127.442]****Reporting requirements.**

- (a) The permittee shall report malfunctions 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. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.
- (b) Failures that are caused in part by poor maintenance or careless operation shall be reported as excess emissions or deviations from the operating permit requirements.
- (c) When the malfunction, excess emissions or deviation from this operating permit requirements poses an imminent danger to the public health, safety, welfare, or environment shall be reported by telephone to the Department and the County Emergency Management Agency within one (1) hour after the incident. The owner or operator shall submit a written report of instances of such incidents to the Department within three (3) business days of the telephone report.
- (d) Except as reported to the Department in accordance with 25 Pa. Code Chapter 139 and the Department's Continuous Source Monitoring Manual, any malfunction or excess emissions that is not subject to the notice requirements of subsection (c) of this operating permit condition shall be reported to the Department within 24 hours of discovery or the next business day. In notifying the Department, the permittee shall describe the following:
- (i) name and location of the facility;
  - (ii) nature and cause of the malfunction or breakdown;
  - (iii) time when the malfunction or breakdown was first observed;
  - (iv) expected duration of excess emissions;
  - (v) estimated rate of emissions; and
  - (vi) corrective actions or preventative measures taken.
- (e) The permittee shall notify the Department within 24 hours, or the next business day, when corrective measures have been accomplished.
- (f) Upon the request of the Department, the permittee shall submit a full written report to the Regional Air Program Manager within 15 days of the malfunction, excess emissions or deviation from the operating permit requirements.

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

The permittee shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 Pa. Code Sections 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 direct means.

**VI. WORK PRACTICE REQUIREMENTS.****# 016 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

For any source specified in 25 Pa. Code Section 123.1 subsection(s) (a)(1)-(7) or (a)(9), the permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

**SECTION C. Site Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 017 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the act (The Air Pollution Control Act (35 P.S. §§ 4001-4015)).

**# 018 [25 Pa. Code §123.31]****Limitations**

No person may permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

**# 019 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material at the facility unless in accordance with 25 Pa. Code Section 129.14.

**# 020 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

The operations conducted under Source ID's P104, P104A and P105 are subject to the control of VOC emissions from miscellaneous metal parts surface coating processes in accordance with 25 Pa. Code Section 129.52d(a)(1). The permittee shall comply with all applicable requirements of 25 Pa. Code Section 129.52d.

**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: P103

Source Name: COIL BURNOUT OPERATION

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not emit into the outdoor atmosphere of particulate matter, from the exhaust of ID C103 associated with Source ID P103, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

# 002 [25 Pa. Code §123.21]

**General**

No person may permit the emission of sulfur oxides expressed as SO<sub>2</sub>, into the outdoor atmosphere from the exhaust of ID C103 associated with Source ID P103, in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall only use natural gas as fuel for Source ID P103.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P103 shall be equipped with instrumentation to monitor the exhaust gas temperature of the afterburner of Source ID P103 on a continuous basis.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

ID C103 shall be equipped with instrumentation to continuously monitor the pressure drop across ID C103, the water flowrate to the quench section ("prespray quencher") and the water flowrate to the venturi scrubber throat.

**IV. RECORDKEEPING REQUIREMENTS.**

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall keep records of the following whenever Source ID P103 is in use:

- (1) The exhaust gas temperature of Source ID P103 recorded at least once each shift.
- (2) The differential pressure drop across ID C103 recorded at least once each shift.
- (3) The water flow rate to the quench section of ID C103 recorded at least once each shift.
- (4) The water flow rate to the venturi scrubber throat of ID C103 recorded at least once each shift.

**SECTION D. Source Level Requirements**

(b) These records shall be kept for a minimum of five (5) years and 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.**

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

- (a) The air contaminant emissions from Source ID P103 shall be controlled by ID C103.
- (b) ID C103 shall be operated on any and all occasions that Source ID P103 is used for any purpose, including the burnout of coils insulated with non-silicone rubber tape and the annealing of copper coils.
- (c) The Department would be willing to entertain a request for approval to operate Source ID P103 without the simultaneous operation of ID C103 for the purpose of annealing copper coils provided that the permittee performs a stack test to demonstrate that the resultant particulate matter emissions from Source ID P103 are in compliance with the limitations as specified in 25 Pa. Code Section 123.13. The test procedures used in performing any such test, as well as Source ID P103 operating conditions during said testing, are subject to prior Department approval.

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

- (a) The exhaust gas temperature from the afterburner chamber of Source ID P103 shall be kept at a minimum temperature of 1,400 degrees Fahrenheit at all times that Source ID P103 is in operation.
- (b) The exhaust gas temperature from the afterburner chamber of Source ID P103 shall be preheated to 1,400 degrees Fahrenheit prior to the introduction of any coils into Source ID P103.

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

The permittee shall clean out Source ID P103 on a frequent basis to prevent the accumulation of residue on the chamber walls, floor, and roof.

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

A pressure drop of at least 61" w.g. shall be maintained across ID C103 any time Source ID P103 is in operation.

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

- (a) The permittee shall only use fresh clean water in the quench section ("pre-spray quencher") of ID C103.
- (b) The permittee shall not under any circumstances use recirculated water in the quench section of ID C103.
- (c) The permittee shall continuously bleed off at least 1.2 gallons per minute from the scrubber water recirculation tank of ID C103 to the sewer while ID C103 is in operation.

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

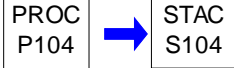
- (a) Source ID P103 is a natural gas fired oven, Coil Burnout Oven, custom built, equipped with a Midco Model #RE4700BA burner with a rated at 2.80 MMBtu/hr heat input with an integral natural gas fired afterburner, 2.73 MMBtu/hr rated heat input.
- (b) ID C103 is a venturi type scrubber, American Air Filter, Model Size 4 Kinpactor, 6000 CFM rated capacity, 61" Wg pressure drop with a water recirculation tank.

**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: VACUUM PRESSURE IMPREGNATION (VPI)

Source Capacity/Throughput:

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

The permittee shall not emit into the outdoor atmosphere of particulate matter, from the exhaust of Source ID P104, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

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

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

The permittee shall not permit the emission of the following air contaminant pollutants from Source ID P104 in excess of the limitations listed below:

- (a) volatile organic compounds (VOC) - 8.67 tons in any 12 consecutive month period,
- (b) total combined hazardous air pollutants (HAPs) - 0.10 tons in any 12 consecutive month period.

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

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

The permittee shall not use more than 1.0 gallon of resin and 0.1 gallon of resin diluent per armature or motor frame processed in Source ID P104 (averaged over any 12 consecutive month period).

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

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

The permittee shall only use acetone for any cleanup activities associated with Source ID P104 and shall not use more than 660 gallons or 2.19 tons of acetone in any 12 consecutive month period.

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

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

The permittee shall not process more than 1,248 armatures and 1,248 motor frames through Source ID P104 in any 12 consecutive month period.

The permittee is authorized to process other transportation-related parts provided the permittee complies with all other permit conditions.

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

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

The permittee shall not use more than a total of 2,496 gallons of resin and 249.6 gallons of resin diluent in Source ID P104 in any 12 consecutive month period.

**SECTION D. Source Level Requirements****II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

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

(a) The permittee shall keep records of the following information for Source ID P104:

- (1) The emission of volatile organic compounds (VOC) and total combined hazardous air pollutants (HAPs) on a monthly basis, and the supporting calculations used to verify compliance with the VOC and HAPs emission limitations in any 12 consecutive month period.
- (2) The number of armatures and motor frames processed on a monthly basis and the supporting calculations used to verify compliance with the respective throughput limitation in any 12 consecutive month period.
- (3) The identity and amount of resin and resin diluent used on a monthly basis and the supporting calculations used to verify compliance with the throughput limitation in any 12 consecutive month period.
- (4) The amount of acetone used on a monthly basis and the supporting calculations used to verify compliance with the throughput limitation in any 12 consecutive month period.
- (5) The amount of dirty acetone shipped off-site in liquid form on a monthly basis

(b) These records shall be kept for a minimum of five (5) years and be made available to the Department upon request.

**# 008 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

Pursuant to 25 Pa. Code Section 129.52d(f), the permittee shall, at a minimum, maintain monthly records of the following for Source ID P104:

(a) The following parameters for each coating, thinner, component and cleaning solvent as supplied:

- (i) Name and identification number of the coating, thinner, other component or cleaning solvent.
- (ii) Volume used.
- (iii) Mix ratio.
- (iv) Density or specific gravity.
- (v) Weight percent of total volatiles, water, solids and exempt solvents.

(b) The VOC content of each coating, thinner, other component and cleaning solvent as supplied.

(c) The VOC content of each as applied coating or cleaning solvent.

These records shall be maintained onsite for at least five years and 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.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

- (a) The permittee shall use acetone management practices designed to minimize the evaporative loss of acetone to the atmosphere and shall be employed at all times. Any acetone used to clean spray lines shall be flushed into closed containers. Under no circumstances shall acetone be removed from spray lines by spraying it into the air.
- (b) Any acetone-wet rags generated during cleanup activities shall be stored in closed containers pending reuse or disposal. Under no circumstances shall acetone-wet rags be dried or otherwise treated on-site so as to promote the evaporative loss of contained acetone. All containers of fresh acetone and dirty or spent acetone shall be kept closed except when material is being removed from or introduced to the container. Under no circumstances shall waste acetone be disposed of by allowing it to evaporate.

**# 010 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

Pursuant to 25 Pa. Code Section 129.52d(i), the permittee shall comply with the following with respect to the Source ID P104 coating operation:

- (a) Store all VOC-containing coatings, thinners or coating-related waste materials in closed containers.
- (b) Ensure that mixing and storage containers used for VOC-containing coatings, thinners or coating-related waste materials are kept closed at all times, except when depositing or removing these coatings, thinners or waste materials.
- (c) Minimize spills of VOC-containing coatings, thinners or coating-related waste materials and clean up spills immediately.
- (d) Convey VOC-containing coatings, thinners or coating-related waste materials from one location to another in closed containers or pipes.

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

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

All resin used in Source ID P104 shall be a catalyzed polyester insulating varnish (or a material determined by the Department to be equivalent with respect to its volatile organic compound emission potential).

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

Source ID P104 is a transportation-related parts vacuum pressure impregnation (VPI) operation consisting of the following:

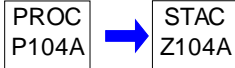
- (1) One (1) Vacuum Pressure Impregnation (VPI) system, J.B. Devine Manufacturing (Imprex) Model HSB92.
- (2) Associated cleanup activities.
- (3) Two (2) Rockwell 997,500 Btu/hour, natural gas-fired, resin curing ovens.
- (4) One (1) VPI system for varnish coating operations.

**SECTION D. Source Level Requirements**

Source ID: P104A

Source Name: RESIN HAND APPLICATION STATIONS

Source Capacity/Throughput:

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

The air contaminant emissions from Source ID P104A shall be less than the following:

- (a) volatile organic compounds (VOCs) – 2.7 tons in any 12 consecutive month period,
- (b) total combined hazardous air pollutants (HAPs) - 1.0 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.**

- (a) The permittee shall maintain comprehensive, accurate records of the amounts of all coatings used in Source ID P104A on a monthly basis and the supporting calculations used to verify compliance with the applicable emissions limitations.
- (b) These records shall be kept for a minimum of five years and made available to the Department upon request.

**# 003 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

Pursuant to 25 Pa. Code Section 129.52d(f), the permittee shall, at a minimum, maintain monthly records of the following for Source ID P104A:

- (a) The following parameters for each coating, thinner, component and cleaning solvent as supplied:
  - (i) Name and identification number of the coating, thinner, other component or cleaning solvent.
  - (ii) Volume used.
  - (iii) Mix ratio.
  - (iv) Density or specific gravity.
  - (v) Weight percent of total volatiles, water, solids and exempt solvents.
- (b) The VOC content of each coating, thinner, other component and cleaning solvent as supplied.
- (c) The VOC content of each as applied coating or cleaning solvent.

These records shall be maintained onsite for at least five years and made available to the Department upon request.

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

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

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

The permittee shall apply all coatings in Source ID P104A via hand brushing or hand roller.

**# 005 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

Pursuant to 25 Pa. Code Section 129.52d(i), the permittee shall comply with the following with respect to the Source ID P104A coating operation:

- (a) Store all VOC-containing coatings, thinners or coating-related waste materials in closed containers.
- (b) Ensure that mixing and storage containers used for VOC-containing coatings, thinners or coating-related waste materials are kept closed at all times, except when depositing or removing these coatings, thinners or waste materials.
- (c) Minimize spills of VOC-containing coatings, thinners or coating-related waste materials and clean up spills immediately.
- (d) Convey VOC-containing coatings, thinners or coating-related waste materials from one location to another in closed containers or pipes.

**# 006 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

Pursuant to 25 Pa. Code Section 129.52d(j), the permittee shall comply with the following with respect to the Source ID P104A cleanup operations:

- (a) Store all VOC-containing cleaning materials and used shop towels in closed containers.
- (b) Ensure that mixing vessels used for VOC-containing cleaning materials are kept closed at all times except when depositing or removing these materials.
- (c) Minimize spills of VOC-containing cleaning materials and clean up spills immediately.
- (d) Convey VOC-containing cleaning materials from one location to another in closed containers or pipes.
- (e) Minimize VOC emissions from cleaning of application, storage, mixing or conveying equipment by ensuring that equipment cleaning is performed without atomizing to atmosphere the cleaning solvent and all spent solvent is captured in closed containers.

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

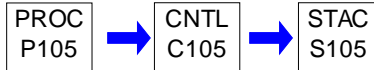
Source ID P104A consists of various stations utilizing hand brushing or hand rolling application of resins not suitable for application in the vacuum pressure impregnation (VPI) process (Source ID P104).

**SECTION D. Source Level Requirements**

Source ID: P105

Source Name: SPRAY BOOTH

Source Capacity/Throughput:

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

The permittee shall not emit into the outdoor atmosphere of particulate matter, from the exhaust of ID C105 associated with Source ID P105, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

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

The permittee shall not permit the emission of the following air contaminant pollutants from Source ID P105 in excess of the limitations listed below:

- (a) volatile organic compounds (VOC) - 3.0 tons in any 12 consecutive month period,
- (b) total combined hazardous air pollutants (HAPs) - 1.0 tons in any 12 consecutive month period.

**# 003 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

Pursuant to 25 Pa. Code Section 129.52d(d)(1), the VOC content of all coatings applied in Source ID P105 shall comply with the VOC content limits specified in Table I of the section.

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

- (a) The permittee shall keep records of the amounts of all coatings used in Source ID P105 on a monthly basis and the supporting calculations used to verify compliance with the applicable emissions limitations.
- (b) These records shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

**# 005 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

Pursuant to 25 Pa. Code Section 129.52d(f), the permittee shall, at a minimum, maintain monthly records of the following for Source ID P105:

- (a) The following parameters for each coating, thinner, component and cleaning solvent as supplied:
  - (i) Name and identification number of the coating, thinner, other component or cleaning solvent.



**SECTION D. Source Level Requirements**

- (ii) Volume used.
  - (iii) Mix ratio.
  - (iv) Density or specific gravity.
  - (v) Weight percent of total volatiles, water, solids and exempt solvents.
  - (vi) Volume percent of total volatiles, water and exempt solvents for the applicable table of limits in Tables I—V.
- (b) The VOC content of each coating, thinner, other component and cleaning solvent as supplied.
- (c) The VOC content of each as applied coating or cleaning solvent.
- (d) The calculations performed for each applicable requirement under subsection (d).

These records shall be maintained onsite for at least five years and made available to the Department upon request.

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

Whenever a new coating is proposed to be used in P105, the permittee shall, at least 15 days prior to use, submit to the Department a copy of the coating's MSDS or other vendor sheet and supporting calculations to verify compliance with Section 129.52d.

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

The permittee shall keep a spare set of filter panels for ID C105 in order to be able to replace any panels requiring replacement.

**# 008 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

- (a) All surface coatings used in Source ID P105 shall be applied in accordance with the coating application methods specified in 25 Pa. Code Section 129.52d(g).
- (b) Pursuant to 25 Pa. Code Section 129.52d(g)(8), the Department also authorizes hand brushing and high pressure, non air-atomizing spray technology as acceptable coating application methods.

**# 009 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

Pursuant to 25 Pa. Code Section 129.52d(i), the permittee shall comply with the following with respect to the Source ID P105 coating operation:

- (a) Store all VOC-containing coatings, thinners or coating-related waste materials in closed containers.
- (b) Ensure that mixing and storage containers used for VOC-containing coatings, thinners or coating-related waste materials are kept closed at all times, except when depositing or removing these coatings, thinners or waste materials.
- (c) Minimize spills of VOC-containing coatings, thinners or coating-related waste materials and clean up spills immediately.
- (d) Convey VOC-containing coatings, thinners or coating-related waste materials from one location to another in closed containers or pipes.

**# 010 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

Pursuant to 25 Pa. Code Section 129.52d(j), the permittee shall comply with the following with respect to the Source ID P105 cleanup operations:

- (a) Store all VOC-containing cleaning materials and used shop towels in closed containers.
- (b) Ensure that mixing vessels used for VOC-containing cleaning materials are kept closed at all times except when depositing or removing these materials.

**SECTION D. Source Level Requirements**

- (c) Minimize spills of VOC-containing cleaning materials and clean up spills immediately.
- (d) Convey VOC-containing cleaning materials from one location to another in closed containers or pipes.
- (e) Minimize VOC emissions from cleaning of application, storage, mixing or conveying equipment by ensuring that equipment cleaning is performed without atomizing to atmosphere the cleaning solvent and all spent solvent is captured in closed containers.

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

Source ID P105 consists of the following:

- a. One spray booth used to surface coat large motor coils, armatures and other transportation-related parts. The spray booth is equipped with a full set of spray booth filters (C105) used to control the particulate matter emissions.
- b. One Safety-Kleen model 1055 paint gun cleaner.

**# 012 [25 Pa. Code §129.52d]****Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings.**

Pursuant to 25 Pa. Code Section 129.52d(k), the permittee shall follow one or more of the following surface coating measurement and calculational procedures with respect to the operation of Source ID P105:

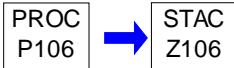
- (a) EPA Reference Method 24, Determination of Volatile Matter Content, Water Content, Density, Volume Solids, and Weight Solids of Surface Coatings, found at 40 CFR Part 60, Subpart D, Appendix A, including updates and revisions.
- (b) Manufacturer's formulation data.
- (c) Sampling and testing done in accordance with the procedures and test methods specified in 25 Pa. Code Chapter 139.
- (d) Other test method demonstrated to provide results that are acceptable for purposes of determining compliance with this 25 Pa. Code Section 129.52d if prior approval is obtained in writing from the Department.
- (e) Add-on air pollution control devices shall be equipped with the applicable monitoring equipment according to manufacturers' specifications. The monitoring equipment shall be installed, calibrated, operated and maintained according to manufacturers' specifications at all times the add-on air pollution control device is in use.
- (f) EPA calculations information in the following:
  - (i) A Guideline for Surface Coating Calculations, EPA-340/1-86-016, including updates and revisions.
  - (ii) Procedures for Certifying Quantity of Volatile Organic Compounds Emitted by Paint, Ink, and Other Coatings, EPA-450/3-84-019, including updates and revisions.

**SECTION D. Source Level Requirements**

Source ID: P106

Source Name: ADHESIVES, SEALANTS AND SOLVENTS STATIONS

Source Capacity/Throughput:

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

The air contaminant emissions from Source ID P106 shall be less than the following:

- (a) volatile organic compounds (VOCs) – 2.7 tons in any 12 consecutive month period,
- (b) total combined hazardous air pollutants (HAPs) - 1.0 tons in any 12 consecutive month period.

**# 002 [25 Pa. Code §129.77.]****Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

All adhesives, sealants and solvents applied in Source ID P106 shall comply with the VOC content limits specified in Tables V and VI of 25 Pa. Code Section 129.77.

**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.****# 003 [25 Pa. Code §129.77.]****Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

(a) The permittee shall maintain records demonstrating compliance with 25 Pa. Code Section 129.77, including the following information:

- (1) A list of each adhesive, sealant, adhesive primer, sealant primer, surface preparation solvent and cleanup solvent product in use and in storage.
- (2) A data sheet or material list which provides the product name, manufacturer identification and use or material application for each product included on the list required under paragraph (1).
- (3) The VOC content of each product on the list required under paragraph (1), as supplied.
- (4) Catalysts, reducers or other components used and the mix ratio.
- (5) The VOC content or vapor pressure of each product on the list required by paragraph (1), as applied, if solvent or other VOC is added to the product before application.
- (6) The volume purchased or produced of each product on the list required under paragraph (1).

(b) Records made to determine compliance with this section shall be:

- (1) Maintained onsite for 5 years from the date the record is created.
- (2) Made available to the Department upon receipt of a written request.

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

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

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [25 Pa. Code §129.77.]****Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

Removal of an adhesive, sealant, adhesive primer or sealant primer from the parts of spray application equipment used in Source ID P106 shall be performed by one or more of the following methods:

- (a) Using an enclosed cleaning system, or an equivalent cleaning system as determined by the test method identified in 25 Pa. Code Section 129.77(z).
- (b) Using a solvent with a VOC content less than or equal to 70 grams of VOC per liter of material or 0.6 pound of VOC per gallon of material.
- (c) Soaking parts containing dried adhesive in a solvent if the composite partial vapor pressure of the solvent, excluding water and exempt compounds, is less than or equal to 9.5 mm mercury at 20° C and the parts and solvent are in a closed container that remains closed except when adding parts to or removing parts from the container.

**# 005 [25 Pa. Code §129.77.]****Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

The permittee shall store or dispose of all absorbent materials, including cloth or paper, which are moistened with adhesives, sealants, primers, surface preparation solvents or cleanup solvents used in Source ID P106, in nonabsorbent containers at the facility that are kept closed except when placing materials in or removing materials from the container.

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

Source ID P106 consists of various stations for the application of adhesives, sealants and solvents.

**# 007 [25 Pa. Code §129.77.]****Control of emissions from the use or application of adhesives, sealants, primers and solvents.**

Source ID P106 is subject to the requirements of 25 Pa. Code Section 129.77. The permittee shall comply with all applicable requirements of 25 Pa. Code Section 129.77.



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.



**SECTION F. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION G. Miscellaneous.**

The following air contaminant sources are considered to be of minor significance to the Department and have been determined to be exempt from permitting requirements. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- a) Three (3) sandblasting stations with integral fabric collectors, required to vent internally,
- b) Two (2) Daglass Lines, Wire Insulation Coating Process, Glass Cloth and Capton Insulation Bonded to coil rods by heat induction, fans utilized to remove heat only from electric induction heaters,
- c) One (1) Coil Preparation Area, Grinding and Shine Area, welding, grinding, soldering and brazing stations; grinding dust sent to filter receiver, required to vent internally,
- d) Ten (10) Acetylene Cutting Torches,
- e) One (1) Coil Washing Station, Cold water sprayed on coils after burnoff of coating,
- f) One (1) Portable Dust Collector, Porta-Hog, Model #FPH2-3, required to vent internally,
- g) Two (2) Portable Dust Collector, American Air Filter, Model 1342138-001, required to vent internally,
- h) One (1) Portable Dust Collector, ACE, Model #73-800G, Armature Department, required to vent internally,
- i) One (1) Storage Tank, 2000 Gallon, Wastewater Treatment Holding Tank, Waste Water comprised of soapy waste water and residue from the coil cleaning station,
- j) One (1) Dust Collector, Torit Downflo, shall vent internally,
- k) One (1) Goff Shot Blast Unit and Dust Collector, Goff Sand Blaster Baghouse, Fabric Type Filter, Goff, 99.9% control efficiency. The particulate matter emissions from Goff Shot Blast Unit shall be controlled by the fabric collector and the fabric collector shall be operated no more than 5,000 standard cubic feet per minute (SCFM),
- l) Welding Station and One (1) Dust Collector. The particulate matter emissions from the welding area to the inlet of the fabric collector shall not exceed 0.01 grains per dry standard cubic foot,
- m) One (1) AG 450,000 Btu/hr, Coil Curing Oven used to cure resin-impregnated, tape-wrapped coils,
- n) One (1) Porbeck Coil and Fan Cleaning Drying Oven, 450,000 Btu/hr. The permittee shall dry parts in the Coil and Fan Cleaning Drying Oven that contain water only,
- o) One (1) Pre-heat Despatch Oven, 200,000 Btu/hr. The permittee shall not process any parts in the pre-heat oven that contain any volatile organic compounds or hazardous air pollutants,
- p) Facility-wide grinding, brazing and welding operations, the emissions from which are controlled by the collectors identified above in f), g) and h),
- q) Facility-wide uncontrolled, indoor grinding, brazing and welding operations,
- r) Facility-wide uncontrolled, grinding, brazing and welding operations, vented outdoors,
- s) Non-VOC containing parts washers,
- t) Miscellaneous facility-wide spray can coating usage,
- u) Twenty-three (23) natural gas-fired space heaters with heat inputs ranging from 36,450 Btu/hr to 400,000 Btu/hr,
- v) Fan blade tack welder,
- w) Fan blade robotic welder with integral fume collector,
- x) One armature lathe vented to cartridge collector,
- y) One armature wire banding machine vented to a particle filter,
- z) One electric wastewater drum evaporator,
- aa) One Epilog Mini 24 laser engraver,
- bb) one Safety-Kleen model 90 parts washer.



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

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