



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

**STATE ONLY NATURAL MINOR OPERATING PERMIT**

Issue Date: January 14, 2022

Effective Date: January 14, 2022

Expiration Date: January 13, 2027

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: 17-00076**

Natural Minor

Federal Tax Id - Plant Code: 51-0338883-2

**Owner Information**

Name: SENSUS USA INC  
Mailing Address: 805 LIBERTY BLVD  
DU BOIS, PA 15801-2421

**Plant Information**

Plant: SENSUS USA/PLT 2 DOCK ST  
Location: 17 Clearfield County 17001 DuBois City  
SIC Code: 3824 Manufacturing - Fluid Meters And Counting Devices

**Responsible Official**

Name: RANDY NORRIS  
Title: DIRECTOR OPERATIONS  
Phone: (814) 371 - 8000 Email: Randall.Norris@xylem.com

**Permit Contact Person**

Name: DEVIN TRENTINI  
Title: EHSS&S MANAGER  
Phone: (814) 375 - 8215 Email: Devin.Trentini@xylem.com

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

*MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION*



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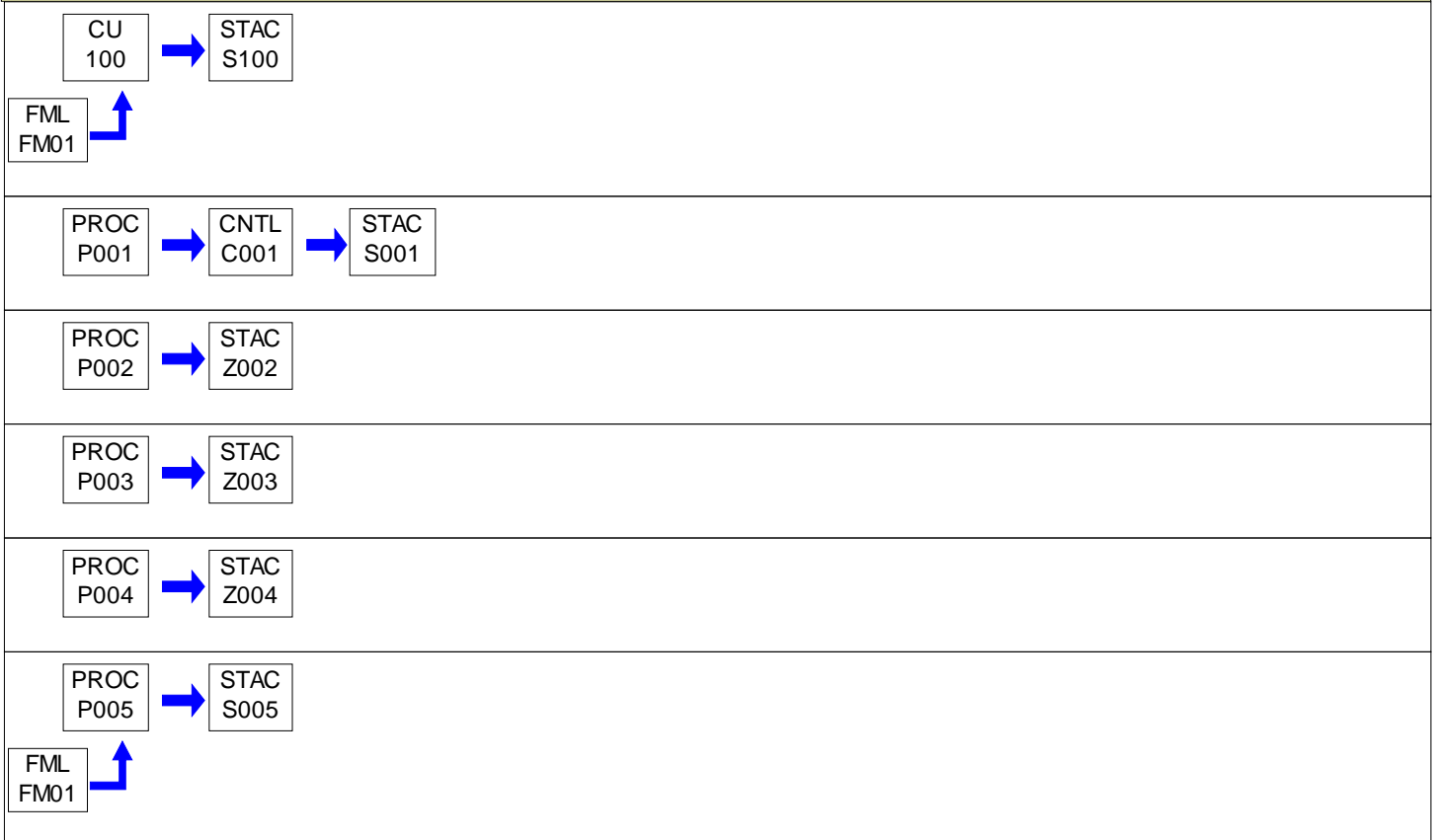
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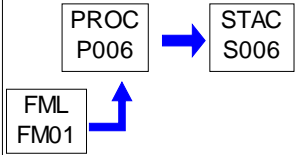
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
100	GAS HEATING UNITS	10.500 MCF/HR	Natural Gas
P001	2 MANUAL SPRAY BOOTHS	1.750 Lbs/HR	SOLVENT
P002	REGULATOR ASSEMBLY	0.001 Lbs/HR	SEALANT ADHESIVES
P003	SAFETY KLEEN PARTS WASHER	0.001 Lbs/HR	SOLVENT
P004	VAPOR DEGREASER	0.041 Gal/HR	N-PROPYL BROMIDE
P005	EMERGENCY GENERATOR	120.000 CF/HR	Natural Gas
P006	AQUEOUS PARTS CLEANER		
C001	SPRAY BOOTH FILTERS		
FM01	NATURAL GAS LINE		
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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<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

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

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

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

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

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

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

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

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

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

**# 003 [25 Pa. Code §123.31]****Limitations**

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

**# 004 [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.

**# 005 [25 Pa. Code §123.42]****Exceptions**

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

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

**# 006 [25 Pa. Code §135.3]****Reporting**

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all 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.

(b) A person who receives initial notification by the Department that a source report is necessary shall submit an initial source report within 60 days after receiving the notification or by March 1 of the year following the year for which the report is

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required, whichever is later.

(c) A source owner or operator may request an extension of time from the Department for the filing of a source report, and the Department may grant the extension for reasonable cause.

**II. TESTING REQUIREMENTS.****# 007 [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. One electronic copy and one hard copy shall be sent to the Northcentral Regional Office Air Quality Program Manager and one hard copy 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), electronic copies of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager, with deadlines verified. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. 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.

**# 008 [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

**SECTION C. Site Level Requirements**

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.

**# 009 [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.

**# 010 [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 materials or the rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (c) The location of sampling ports.
- (d) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), 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.****# 011 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

The permittee shall conduct a weekly inspection of the facility, while in operation, and during daylight hours, to detect for (1) the presence of visible air contaminant emissions, (2) the presence of visible fugitive air contaminant emissions, and (3) the presence of odorous air contaminant emissions.

Any observation made during the above inspections that has a potential for exceedance of an applicable requirement shall be reported to the manager of the facility at once.

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

The permittee shall maintain and make available, upon request by the Department, accurate and comprehensive records (electronic or via a logbook) of the weekly inspections and observations performed on the sources and facility, in



**SECTION C. Site Level Requirements**

accordance with Section B condition #020 herein. As applicable, the corrective action(s) and/or preventative measure taken to abate each deviation recorded shall also be recorded within the electronic file or logbook.

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

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

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

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

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

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

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

(c) The report shall describe the following:

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

(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.

**SECTION C. Site Level Requirements**

(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

**# 017 [25 Pa. Code §127.442]****Reporting requirements.**

In accordance with 40 CFR §§ 60.4 and 63.10, copies of all requests, reports, applications, submittals, and other communications shall also be submitted to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) accessible at <https://cdx.epa.gov> unless electronic reporting is not available, in which case a copy shall be sent to the following address:

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

**VI. WORK PRACTICE REQUIREMENTS.****# 018 [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 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.

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

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

**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**

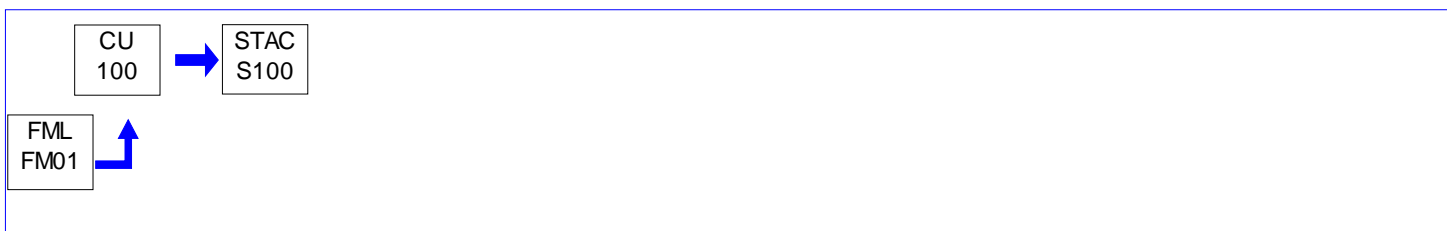
Source ID: 100

Source Name: GAS HEATING UNITS

Source Capacity/Throughput:

10.500 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from the gas heating units authorized herein as Sources ID 100 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The gas heating units of Sources ID 100 authorized herein shall be fired only on natural gas.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Sources ID 100 are comprised of various small (<500,000 Btu/hr) combustion sources and gas heating units, totaling an estimated maximum heat input on a combined unit basis equal to approximately 10.6 MMBtu/hr. The make, location and hourly rated heat input (Btu/hr) of Sources ID 100 are as follows:

Make Location BTU/hr

Carrier Office Area 224,000

Carrier Office Area 224,000

Carrier Office Area 224,000

Reznor Bay H 225,000

Reznor Bay H 225,000

Reznor Bay H 400,000

Reznor Bay H 400,000

Perfection Bay H 50,000

Perfection Bay H 50,000

Dayton Bay G 250,000

Dayton Bay G 250,000

Reznor Bay F 100,000

Reznor Bay F 100,000

Reznor Bay F 400,000

Reznor Bay F 300,000

Reznor Bay F 250,000

Reznor Bay F 200,000

Reznor Bay F 225,000

Reznor Bay F 250,000

Reznor Bay F 300,000

Dayton Bay F 400,000

Dayton Bay F 200,000

Dayton Bay F 200,000

Dayton Bay F 300,000

Perfection Bay F 25,000

Carrier Bay D 250,000

Carrier Bay D 220,000

Carrier Bay D 200,000

Carrier Bay D 200,000

Carrier Bay D 100,000

Carrier Bay C 270,000

Carrier Bay C 270,000

Carrier Bay C 485,000

Snyder-General Bay C 115,000

Carrier Bay C 485,000

Carrier Bay B 250,000

Reznor Bay B 350,000

Carrier Bay B 250,000

Greenheck Bay A 350,000

Carrier Bay A 350,000

Reznor Bay A 350,000

Reznor Bay A 350,000

Lennox Bay A 55,000

**SECTION D. Source Level Requirements**

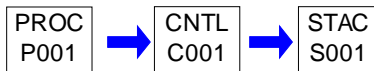
Source ID: P001

Source Name: 2 MANUAL SPRAY BOOTHS

Source Capacity/Throughput:

1.750 Lbs/HR

SOLVENT

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

Each spray booth authorized within Source ID P001 shall not emit particulate matter in such a manner that the concentration of particulate matter within the exhaust released into the outdoor atmosphere exceeds 0.04 grains per dry standard cubic foot (gr/dscf).

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

[Authority is also derived from the specifications for plan approval exemption per RFD ID 8278]

(a) Source ID P001 authorized herein shall not consume more than 360 gallons of Alkyd Primer on 12-month rolling sum total basis, including any alternative high solids primer products, if applicable.

(b) Source ID P001 authorized herein shall not consume more than 480 gallons of Alkyd Gray on 12-month rolling sum total basis, including any alternative high solids paint products, if applicable.

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

Source ID P001 authorized herein not consume any paints, primers, etc. containing MFHAP, as defined by federal standards for area HAP sources involved in misc. metal parts finishing.

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

(a) Source ID P001 authorized herein shall not consume any coatings, primers, paints, etc. other than Alkyd Primer and Alkyd Gray (and/or alternatives as applicable and determined to be equivalent or better in terms of the VOC and HAP content equal to 3.39 and 2.91 pounds per gallon, as applied, respectively).

The permittee shall notify the Department following a change involving the use of an alternative Source ID P001 primer or paint authorized herein, to provide the supporting information as well as the date when the alternative(s) was put into operation and any other information necessary to verify compliance as requested by the Department.

(b) Prior to the use of any coating, primers, paints, etc. with a higher VOC or HAP content (pounds per gallon) than the above, the permittee shall obtain Department approval.

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

Sources ID P001 and P002 on a combined sum total basis shall not emit VOCs in excess of 2.7 ton in any 12 consecutive month period.

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

[Authority is also derived from the specifications for plan approval exemption per RFD ID 8278]

(a) Source ID P001 authorized herein shall not consume any cleaning solution, solvent, etc. other than Spray Gun Flush

**SECTION D. Source Level Requirements**

(and/or alternatives as applicable and determined to be equivalent or better in terms of the VOC and HAP content by weight).

(b) The permittee shall use no more than 120 gallons of Spray Gun Flush Solution on a 12-month rolling sum total basis, including any alternative, as applicable to the cleaning activities for all on-site misc. metal parts surface coating operations. Accordingly, the HAP emission (total) shall be limited to not exceed 0.16 tons on a 12-month rolling sum total basis.

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

To determine the properties or parameters of a coating or any other solvent used by Source ID P001 authorized herein, the permittee shall derive compliance information in accordance with measurements and calculations performed according to one or more of the following:

- (1) 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.
- (2) Manufacturer's formulation data.
- (3) Sampling and testing done in accordance with the procedures and test methods specified in Chapter 139.
- (4) Other test method demonstrated to provide results that are acceptable for purposes of determining compliance with the applicable requirements, if prior approval is obtained in writing from the Department.

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

Each spray booth of Source ID P001 shall be equipped with instrumentation to continuously monitor the differential pressure across the filters (Source ID C001) and the air flow velocity while source operation is occurring.

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

The permittee shall monitor the consumption of each Source ID P001 coating, primer, cleaning solution, thinner, etc. in use, including Alkyd Primer, Alkyd Gray and Spray Gun Flush, and any alternatives, if applicable, as necessary to generate and maintain records that are consistent with the compliance reporting periods of the above restrictions and follow the applicable recordkeeping requirements in section B herein.

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

(a) The permittee shall maintain and make available, upon request by the Department, accurate and comprehensive records of the information specified in this condition below for Source ID P001 authorized herein, along with the supporting data, calculations and other information used to determine compliance:

- (1) Each VOC material product name and identification and its material product composition safety data information (e.g. MSDS) or other information/data used to verify compliance.
- (2) The amounts (gallons) of each coating consumed by Source ID P001 authorized herein, including Alkyd Primer and Alkyd Gray (and any alternative as applicable) on a monthly and 12-month rolling sum total basis, to verify compliance with the above throughput restrictions for Source ID P001. Additionally, records of the corresponding emission rate calculations on a monthly and 12-month rolling sum total mass balance basis (pound per month and TPY) for VOC and HAP shall be maintained by the permittee.

**SECTION D. Source Level Requirements**

(3) The total amounts (gallons) of each cleaning solution and solvent used for Source ID P001 authorized herein, including Spray Gun Flush Solution (and an any alternative as applicable) on a monthly and 12-month rolling sum total basis, to verify compliance with the above throughput restriction for Source ID P001.

(4) If coating thinning occurs on-site, the permittee shall generate sufficient monitoring data and other records to verify that the percentages of VOC and HAP within each product, as applied, conform with the above restrictions for Source ID P001.

(b) All records required above, including the monitored data and other supporting information used to determine compliance for Source ID P001 authorized herein, shall follow the applicable recordkeeping requirements within section B herein.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority is also derived from the specifications for plan approval exemption per RFD ID 8278]

The permittee shall maintain and make available, upon request by the Department, accurate and comprehensive weekly records of the readings from the spray booth differential pressure and air flow velocity monitoring instrumentation, as well as the other supporting information in accordance with the applicable recordkeeping requirements within section B herein, to verify compliance.

**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.**

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority is also derived from the specifications for plan approval exemption per RFD ID 8278]

The paint overspray emissions of all spray-applied misc. metal parts surface coatings used by the permittee shall be controlled by the Source ID P001 spray booths and the Source ID C001 filters authorized herein. Additionally, spray-applied misc. metal parts surface coatings shall be applied with a high volume, low pressure (HVLP) spray gun, electrostatic application, airless spray gun, air-assisted airless spray gun, or an equivalent technology as determined by the Department to provide equivalent or better control of paint overspray.

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority is also derived from the specifications for plan approval exemption per RFD ID 8278, as well as 25 Pa. Code section 123.1]

These work practices shall be implemented for Source ID P001 authorized herein:

(a) Store all VOC-containing cleaning materials, coatings, thinners or coating-related waste materials in closed containers as well as all used shop towels.

(b) Ensure that mixing and storage containers used for VOC-containing cleaning materials, 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 cleaning materials, coatings, thinners or coating-related waste materials and clean up spills immediately.

(d) Convey VOC-containing cleaning materials, coatings, thinners or coating-related waste materials from one location to another in closed containers or pipes.

**SECTION D. Source Level Requirements**

(e) All VOC-containing solvents or volatile HAP-used for the cleaning of the coating application, storage, mixing and conveying equipment shall be done by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent is captured in closed containers. Soaking parts containing dried coating in a solvent is permissible if the composite partial vapor pressure of the solvent, excluding water and exempt compounds, is less than 9.5 mm mercury at room temperature and the parts and solvent are stored in a closed container that remains closed except when adding to or removing from the container.

(f) Under no circumstances shall any solvent containing wastes or spent coating product containers with residual material be disposed by subjecting them to air drying or any other means of solvent removal which would cause solvent to be unnecessarily evaporated into the air.

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

The permittee shall keep on hand a sufficient quantity of spare paint overspray filters for Source ID P001 authorized herein in order to be able to immediately replace filters requiring replacement due to deterioration. In addition, the new Source ID C001 filters shall be installed and maintained in accordance with good air pollution control practices and the manufacturer's specifications and/or recommendations.

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

[Authority is also derived from the specifications for plan approval exemption per RFD ID 8278]

(a) Source ID P001 authorized herein consists of the misc. metal parts surface coating operations within the facility, including not limited to the the two (2) JBI model IDB-88-S manual spray booths equipped, the paint overspray filters (Source ID C001) and the other on-site metal parts finishing equipment, such as the HVLP spray guns, lines, etc.

(b) Sources ID P001 and C001 shall be installed, operated and maintained in manner consistent the manufacturer's specifications and shall follow good air pollution control practices.

**# 016 [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.**

Source ID P001 is subject to 25 Pa. Code section 129.52d, as specified therein. The permittee shall comply with all applicable requirements pertaining to Source ID P001, as specified in 25 Pa. Code section 129.52d, (relating to, in relevant part, Control of VOC emissions from misc. metals parts surface coating processes).



**SECTION D. Source Level Requirements**

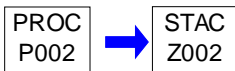
Source ID: P002

Source Name: REGULATOR ASSEMBLY

Source Capacity/Throughput:

0.001 Lbs/HR

SEALANT ADHESIVES

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

[Authority is also derived from the specifications for plan approval exemption per RFD ID 8278]

(a) Source ID P002 authorized herein shall not consume any sealants, adhesives or other VOC materials except for the Loctite sealants, Threadlocker Red 271 and Threadlocker Blue 242, and the clean up materials, Spray Gun Flush and Ethanol (and/or alternatives with equivalent emissions potential submitted to the Department by email or letter notification). Additionally, the total usage of sealants shall not exceed 24, 50-mL bottles, on a 12-month rolling sum total basis.

(b) The use of any materials with higher VOC or HAP content (pounds per gallon) than the above shall be approved by the Department.

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

Sources ID P001 and P002 on a combined sum total basis shall not emit VOCs in excess of 2.7 ton 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.****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the consumption of each Source ID P002 VOC material in use, including the Loctite sealants, Spray Gun Flush and Ethanol products, and any alternatives, if applicable, as necessary to generate and maintain records that are consistent with the compliance reporting periods of the above restrictions and follow the applicable recordkeeping requirements in section B herein.

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

(a) The permittee shall maintain and make available, upon request by the Department, accurate and comprehensive records of the information specified below in this condition for Source ID P002, along with the supporting information used to determine compliance:

(1) Each VOC material product and identification and its material product composition safety data information (e.g. MSDS) or other information/data used to verify compliance.

(2) The total amounts (gallons) of each VOC material consumed by Source ID P002 authorized herein, including each Loctite sealant, Spray Gun Flush and Ethanol product on a monthly and 12-month rolling sum total basis, including any alternatives, if applicable, to verify compliance with the above restrictions for Source ID P002. Additionally, records of the

**SECTION D. Source Level Requirements**

corresponding emission rate calculations on a monthly and 12-month rolling sum total mass balance basis (pound per month and TPY) for VOC and HAP shall be maintained by the permittee.

(b) All records required above, including the monitored data and other supporting information used to determine compliance for Source ID P002 authorized herein, shall follow the applicable recordkeeping requirements within section B herein.

**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.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority is also derived from the specifications for plan approval exemption per RFD ID 8278, as well as 25 Pa. Code section 123.1]

These work practices shall be implemented for Source ID P002 authorized herein:

- (a) Store all VOC-containing materials in closed containers as well as all used shop towels.
- (b) Ensure that mixing and storage containers used for VOC-containing materials are kept closed at all times, except when depositing or removing these coatings, thinners or waste materials.
- (c) Minimize spills of VOC-containing materials and clean up spills immediately.

**VII. ADDITIONAL REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source ID P002 is comprised of the organic materials, solvents, adhesives, glues, etc. used for Parts Assembly.

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain records to verify that any sealant, adhesive, or other products defined within 25 Pa. Code section 129.77 are considered trivial pursuant to paragraph or subsection (k)(5) therein, or otherwise comply with all applicable requirements.

**SECTION D. Source Level Requirements**

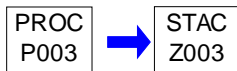
Source ID: P003

Source Name: SAFETY KLEEN PARTS WASHER

Source Capacity/Throughput:

0.001 Lbs/HR

SOLVENT

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

Sources ID P003, P004 and P006 on a combined sum total basis shall not emit VOCs in excess of 2.7 ton 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.**

The permittee shall maintain and make available, upon request by the Department, records of the solvent throughput on a total basis and the corresponding 12-month rolling sum total emission mass balance calculations for Source ID P003 for VOC, to verify compliance with the emission restriction herein.

**# 003 [25 Pa. Code §129.63]****Degreasing operations**

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

- (1) The name(s) and address(s) of the supplier(s) of the solvent(s) added and used in Source ID P003.
- (2) Type(s) of solvent(s) added and used Source ID P003, including product name and other identification.
- (3) The vapor pressure(s) of the solvent(s) added and used in Source ID P003, as measured in millimeters of mercury (mm Hg) at 20°C (68°F).

All records and other information generated to comply with the above shall be retained at least five (5) 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.****# 004 [25 Pa. Code §129.63]****Degreasing operations**

Source ID P003 shall be operated in accordance with the following procedures:

- (1) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
- (2) Flushing of parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (3) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the cold cleaning machine.
- (4) Air agitated solvent baths may not be used.
- (5) Spills during solvent transfer and use of the cold cleaning machine shall be cleaned up immediately.

**# 005 [25 Pa. Code §129.63]****Degreasing operations**

Source ID P003 shall each be equipped with a cover that shall be closed at all times except during the cleaning of parts or the addition or removal of solvent. A perforated drain with a diameter of not more than six inches shall be considered an acceptable cover.

**# 006 [25 Pa. Code §129.63]****Degreasing operations**

Solvents with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater, measured at 20°C (68°F), shall not be used in Source ID P003.

**# 007 [25 Pa. Code §129.63]****Degreasing operations**

Source ID P003 shall have a permanent, conspicuous label summarizing the operating requirements specified in condition #006 herein. In addition, the label shall also list the following discretionary good operating practices:

- (1) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.
- (2) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.
- (3) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

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

Source ID P003 authorized herein consists of the Safety Kleen type parts degreasers located on-site at the facility.

**# 009 [25 Pa. Code §129.63]****Degreasing operations**

Source ID P003 shall have the freeboard ratio of 0.50 or greater, as defined pursuant to 25 Pa. Code section 121.1.

**SECTION D. Source Level Requirements**

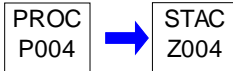
Source ID: P004

Source Name: VAPOR DEGREASER

Source Capacity/Throughput:

0.041 Gal/HR

N-PROPYL BROMIDE

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

Sources ID P003, P004 and P006 on a combined sum total basis shall not emit VOCs in excess of 2.7 ton 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.**

The permittee shall maintain and make available, upon request by the Department, records of the solvent volume usage data and other source parameters as applicable to verify compliance with the emission restriction herein, as well as the corresponding VOC emission calculations for Source ID P004 based on 12-month rolling sum totals.

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

Source ID P004 is comprised of the Degreasing Operations associated with the batch vapor cleaning machine Finishing Equipment Co model WA-31.

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

(1) Based on the additional information submitted to the Department for the initial State Only permit application, Source ID P004 shall be installed with a working and downtime mode cover, permitting full closure during operation and downtime, in

**SECTION D. Source Level Requirements**

accordance with 25 Pa. Code section 129.63(b)(1)(i).

b) The Freeboard ratio of the degreaser was revised by the new lid installation to reduce the narrowest width of opening to no more than 24.5" and achieve freeboard ratio of 1, in accordance with 25 Pa. Code section 129.63(b)(2)(viii).

c) A hoist shall be installed with a speed of 11 fpm to lower parts into and raise from the vapor zone, in accordance with 25 Pa. Code section 129.63(b)(1)(v)

d) Operating Instructions for use of the vapor degreaser shall be detailed in accordance with 25 Pa. Code section 129.63(b)(2)(viii), to include the dwell time. All applicable operating personnel for Source ID P004 shall be trained to operate the machining in accordance with the procedures, as specified in 25 Pa. Code section 129.63(b)(4).

(2) Source ID P004 is subject to 25 Pa. Code Chapter 129 Standards for Degreasing Operations and Batch Vapor Cleaning Machings. The permittee shall comply with all applicable requirements pertaining to Source ID P004, as specified in 25 Pa. Code section 129.63(b)

**SECTION D. Source Level Requirements**

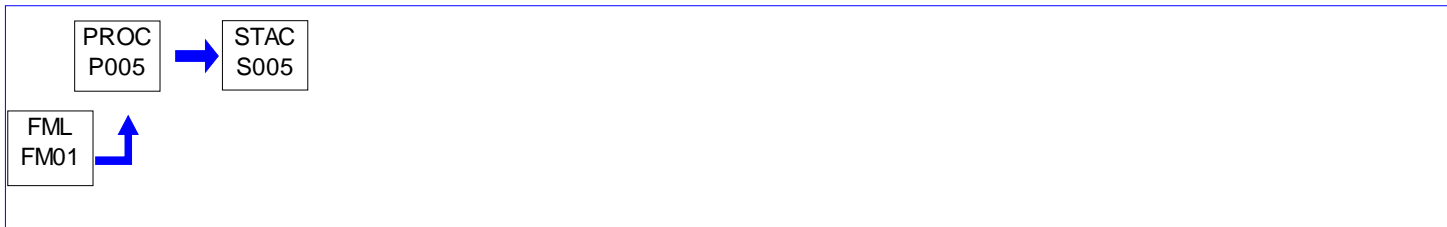
Source ID: P005

Source Name: EMERGENCY GENERATOR

Source Capacity/Throughput:

120.000 CF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee shall not permit the emission of particulate matter into the outdoor atmosphere from Source P005 in such 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**

The permittee shall not permit the emission of sulfur oxides, expressed as SO<sub>2</sub>, into the outdoor atmosphere from Source ID P005 in such 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.**

Source ID P005 shall be fired on natural gas only.

**Operation Hours Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source P005 shall not be operated more than 100 hours on a 12-month rolling sum total basis, unless during emergency situations, as defined under 40 CFR Part 63 subpart ZZZZ.

# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall minimize the time Source P005 spends at idle during startup to a period needed for appropriate and safe engine loading and not to exceed 30 minutes.

**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 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

**SECTION D. Source Level Requirements**

Source ID P005 shall be equipped with a non-resettable hour meter to track total hours of operation of the engine.

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

The permittee shall maintain and make available, upon request by the Department, accurate and comprehensive records of the total hours of operation of Source ID P005 authorized herein on monthly and 12-month rolling sum total basis, using the nonresettable hour meter on the unit.

All required monitoring information and other recordkeeping used to verify compliance shall be follow the applicable requirements within section B condition #020 herein.

**# 008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

[Additional authority for this permit condition is derived from 40 CFR 63.6660]

The permittee shall maintain and make available, upon request by the Department, accurate and comprehensive records of maintenance conducted on Source P005, to verify that the engine was operated and maintained according to the required work practice requirements and the required maintenance plan, if applicable.

The records shall be in a form suitable and readily available for expeditious review. Each record shall be readily accessible in hard copy or electronic form and shall be retained for 5 years following the date of each maintenance item or corrective action.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

The permittee shall perform, at minimum, maintenance as prescribed below on Source ID P005 authorized herein:

- (1) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and
- (3) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall operate and maintain Source ID P005 according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of Source ID P005 in a manner consistent with good air pollution control practice for minimizing emissions.



**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P005 consists of the natural gas-fired, four-stroke rich-burn emergency generator engine (Onan model 40 EM). The hourly fuel combustion rate is equal to 0.24 MCF/hr, resulting in a maximum output power equal to approximately 35 hp (based 7000 btu/hp-hr).

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

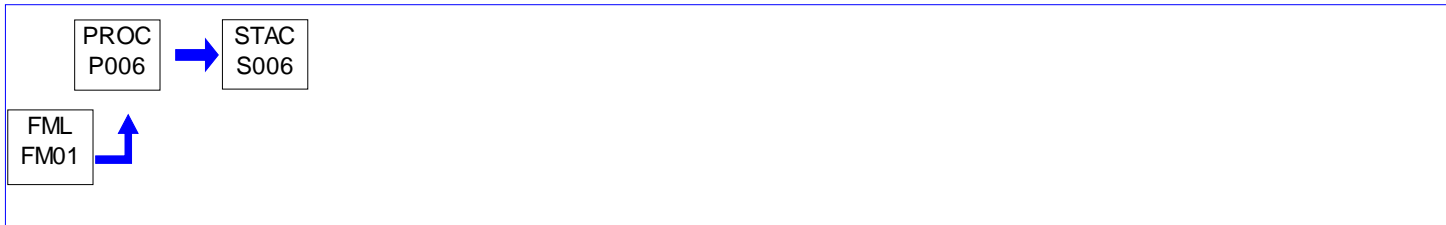
Source ID P005 is subject to Subpart ZZZZ of the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The permittee shall comply with all applicable requirements specified in 40 CFR Sections 63.6580 through 63.6675.

**SECTION D. Source Level Requirements**

Source ID: P006

Source Name: AQUEOUS PARTS CLEANER

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Sources ID P003, P004 and P006 on a combined sum total basis shall not emit VOCs in excess of 2.7 ton 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.**

The permittee shall maintain and make available, upon request by the Department, records of the additive and water volume usage data and other source parameters as applicable to verify compliance with the emission restriction herein, as well as the corresponding VOC emission calculations for Source ID P006 based on 12-month rolling sum totals.

**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.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P006 shall be drained periodically on a weekly basis approximately and new aqueous cleaning solution added. Records including the dates when each time the Source ID P006 solution is replaced shall be kept by the permittee to verify compliance.

**VII. ADDITIONAL REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source ID P006 is comprised of the parts cleaning operation associated with the Aqueous Parts Cleaner that is equipped with multiple natural gas burners to provide heat to the process.



**SECTION E. Source Group Restrictions.**

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

The sources below are determined to be of minor significance. Notwithstanding, the sources are subject to and shall comply with all applicable regulatory requirements as specified in 25 Pa. Code Chapters 121 through 145.

- (a) Machining Operations.
- (b) Crank & Work Soldering and associated HEPA/charcoal filtration devices



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

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