



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

**STATE ONLY SYNTHETIC MINOR OPERATING PERMIT**

|                |                  |                  |                  |
|----------------|------------------|------------------|------------------|
| Issue Date:    | January 13, 2021 | Effective Date:  | August 5, 2022   |
| Revision Date: | August 5, 2022   | Expiration Date: | January 12, 2026 |
| Revision Type: | Amendment        |                  |                  |

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

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

**State Only Permit No: 46-00032**

Synthetic Minor

Federal Tax Id - Plant Code: 23-1116110-1

**Owner Information**

Name: SPS TECH LLC  
Mailing Address: 301 HIGHLAND AVE  
JENKINTOWN, PA 19046-2630

**Plant Information**

Plant: SPS TECH INC/ABINGTON  
Location: 46 Montgomery County 46001 Abington Township  
SIC Code: 3452 Manufacturing - Bolts, Nuts, Rivets, And Washers

**Responsible Official**

Name: KAREN VODVARKA  
Title: GENERAL MGR  
Phone: (267) 518 - 5922 Email: Karen.Vodvarka@pccairframe.com

**Permit Contact Person**

Name: CHARLES FEENEY  
Title: MANAGER, PLANT FACILILTIE  
Phone: (215) 572 - 3452 Email: Charles.Feeney@pccairframe.com

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



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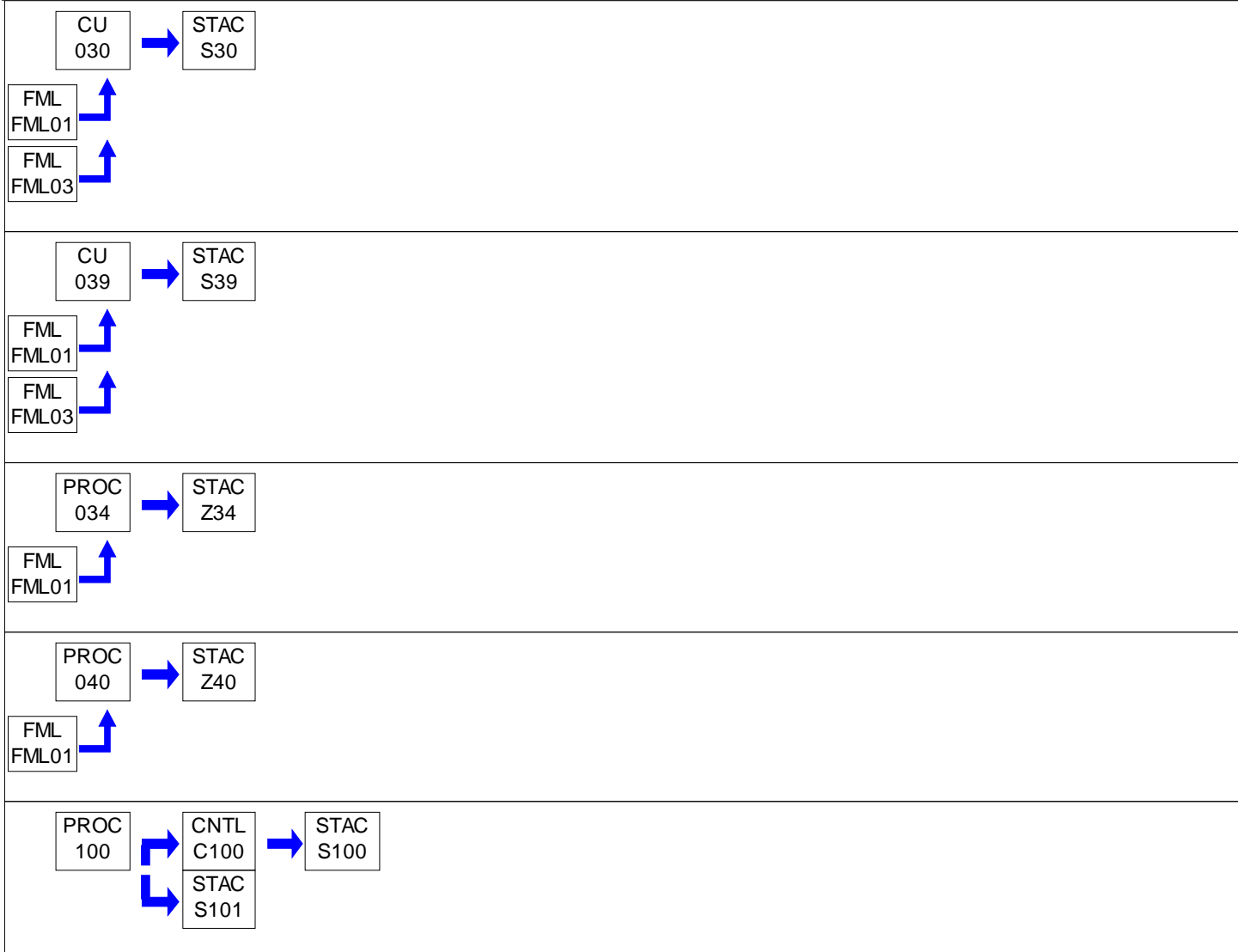
### **Section H. Miscellaneous**

**SECTION A. Site Inventory List**

| Source ID | Source Name                              | Capacity/Throughput |          | Fuel/Material         |
|-----------|------------------------------------------|---------------------|----------|-----------------------|
| 030       | KEELER BOILER                            | 48.000              | MMBTU/HR |                       |
|           |                                          | 46,377.000          | CF/HR    | Natural Gas           |
|           |                                          | 344.000             | Gal/HR   | #2 Oil                |
| 039       | CLEAVER BROOKS BOILER                    | 27.000              | MMBTU/HR |                       |
|           |                                          | 194.000             | Gal/HR   | #2 Oil                |
|           |                                          | 26,087.000          | CF/HR    | Natural Gas           |
| 034       | AIR HANDLING UNITS IN PLATING AREA       | 13.750              | MMBTU/HR |                       |
|           |                                          | 13,285.000          | CF/HR    | Natural Gas           |
| 040       | COATING ROOM AIR HANDLING UNIT           | 2.475               | MMBTU/HR |                       |
|           |                                          | 2,391.000           | CF/HR    | Natural Gas           |
| 100       | AUTO. BARREL PLATING LINE 2              | 960.000             | Lbs/HR   | PLATING CHEM.         |
|           |                                          | 10.000              | Sq Ft/HR |                       |
| 101       | AUTO. RACK PLATING LINE (LINE 1)         |                     |          |                       |
| 110       | AUTOMATIC RACK PLATING LINE (#3)         | 10.000              | Sq Ft/HR | PLATING CHEM.         |
| 120       | MANUAL RACK PLATING LINES (#4, #5, RSO)  | 10.000              | Sq Ft/HR | PLATING CHEM.         |
| 130       | SURFACE TREATMENT AND SMALL LOTS PLATING | 10.000              | Sq Ft/HR | PLATING CHEM.         |
| 151       | VAPOR DEGREASER 01 (BACK-UP)             | 4,000.000           | Lbs/HR   | AL & ALLOY STEEL AERO |
| 152       | VAPOR DEGREASER 02                       | 1,500.000           | Lbs/HR   | AL & ALLOY STEEL AERO |
| 200       | SURFACE COATING OPERATIONS               |                     | N/A      | AEROSPACE COMPONENT   |
| 300       | CARBIDE TOOL MANUFACTURING               |                     | N/A      |                       |
| 737       | HEAT TREAT UNITS                         | 5.700               | MMBTU/HR |                       |
|           |                                          | 5,507.000           | CF/HR    | Natural Gas           |
|           |                                          | 61.800              | Gal/HR   | Propane               |
| 738       | DIESEL FIRE PUMP                         | 1.100               | MMBTU/HR |                       |
|           |                                          | 7.890               | Gal/HR   | #2 Oil                |
| 739       | EMERGENCY GENERATORS (7 TOTAL)           | 0.370               | MMBTU/HR |                       |
|           |                                          | 356.000             | CF/HR    | Natural Gas           |
| 900       | MISCELLANEOUS FUGITIVE EMISSIONS         |                     |          |                       |
| C100      | SCRUBBER SYSTEM 1                        |                     |          |                       |
| C110      | SCRUBBER SYSTEM 2                        |                     |          |                       |
| C120      | SCRUBBER SYSTEM 3                        |                     |          |                       |
| C130      | SCRUBBER SYSTEM 4                        |                     |          |                       |
| C140      | CARBIDE TOOL FABRIC FILTER               |                     |          |                       |
| C200      | COATING ROOM FILTERS                     |                     |          |                       |
| FML01     | NATURAL GAS PIPELINE                     |                     |          |                       |
| FML03     | #2 FUEL OIL TANK                         |                     |          |                       |
| FML05     | PROPANE TANKS                            |                     |          |                       |
| S 38      | DIESEL FIRE PUMP STACK                   |                     |          |                       |
| S100      | SCRUBBER'S C100 STACK                    |                     |          |                       |
| S101      | NON-ACID EXHAUST (LINE 2 & 1)            |                     |          |                       |
| S111      | NON-ACID EXHAUST (LINE 3)                |                     |          |                       |

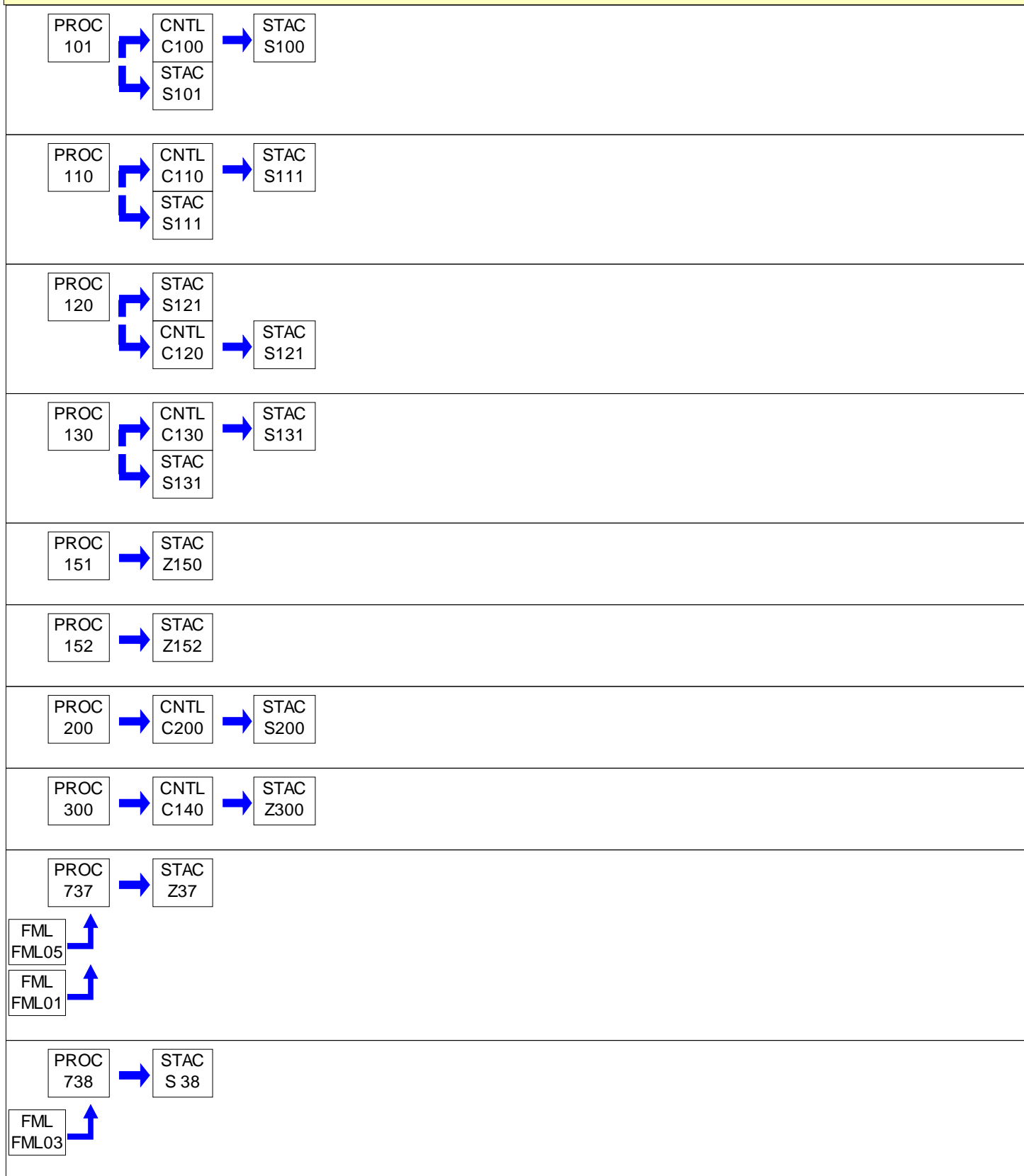
**SECTION A. Site Inventory List**

| Source ID | Source Name                          | Capacity/Throughput | Fuel/Material |
|-----------|--------------------------------------|---------------------|---------------|
| S121      | NON-ACID EXHAUST (#4,#5,RSO)         |                     |               |
| S131      | NON-ACID EXHAUST                     |                     |               |
| S200      | COATING ROOM STACKS                  |                     |               |
| S30       | KEELER BOILER STACK                  |                     |               |
| S39       | CLEAVER BROOKS BOILER STK            |                     |               |
| S739      | EMERGENCY GENERATOR STACKS (7 TOTAL) |                     |               |
| Z150      | VAPOR DEGREASER                      |                     |               |
| Z152      | VAPOR DEGREASER 02                   |                     |               |
| Z300      | CARBIDE TOOL EMISSIONS               |                     |               |
| Z34       | AIR HANDLING UNITS IN PLA            |                     |               |
| Z37       | HEAT TREAT UNITS                     |                     |               |
| Z40       | COATING ROOM STACK                   |                     |               |
| Z900      | MISCELLANEOUS EMISSIONS              |                     |               |

**PERMIT MAPS**



## 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 §121.7]****Prohibition of air pollution.**

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

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

No person may permit the emission into the outdoor atmosphere of fugitive air contaminant from a source other than the following:

- (a) construction or demolition of buildings or structures;
- (b) grading, paving and maintenance of roads and streets;
- (c) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets;
- (d) clearing of land;
- (e) stockpiling of materials;
- (f) open burning operations, as specified in 25 Pa. Code § 129.14;
- (g) blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting;
- (h) coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code §§ 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations); and
- (i) sources and classes of sources other than those identified in (a)-(h), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (1) the emissions are of minor significance with respect to causing air pollution; and
  - (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

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

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

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

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

**# 005 [25 Pa. Code §123.41]****Limitations**

A person may not 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:

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

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

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.



**SECTION C. Site Level Requirements**

(c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions).

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

The permittee shall limit the facility wide VOC emissions to less than 25 tpy and the facility wide NOx emissions to less than 25 tpy, both calculated on a 12-month rolling basis.

**# 008 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

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

**# 009 Elective Restriction**

The permittee shall limit the facility wide hazardous air pollutant (HAP) emissions to less than 10 tons/year of a single HAP and less than 25 tons/year of combined HAP's, both calculated on a 12-month rolling sum.

**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.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (a) a device approved by the Department and maintained to provide accurate opacity measurements; or
- (b) observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.

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

(a) The permittee shall monitor the facility, once per operating day, for the following:

- (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
- (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
- (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by

**SECTION C. Site Level Requirements**

operations at the site shall:

- (1) be investigated;
  - (2) be reported to the facility management, or individual(s) designated by the permittee;
  - (3) have appropriate corrective action taken (for emissions that originate on-site); and
  - (4) be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.
- (d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.
- (e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or Department findings.

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

The permittee shall monitor and calculate the total facility wide HAP emissions monthly and on a 12-month rolling sum.

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

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

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

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

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

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

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

The permittee shall keep records of the total facility wide HAP emissions (individual and total) monthly and on a 12-month rolling sum.

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

- (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.

**SECTION C. Site Level Requirements**

(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; and
- (6) Corrective actions or preventative measures taken.

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

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

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

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

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

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

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

(1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:

- (i) Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

(2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.

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

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

**SECTION C. Site Level Requirements**

release, shall be considered a single process.

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

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

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

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

(f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

**# 018 [25 Pa. Code §135.21]****Emission statements**

The permittee shall submit by March 1, of each year, an annual emission statement for the preceding calendar year.

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

A person responsible for any source specified 25 Pa. Code § 123.1 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following

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

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

(c) paving and maintenance of roadways; and

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

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

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in Section A of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III, or any other applicable rule promulgated under the Clean Air Act.

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

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining Department approval, except those modifications authorized by Condition #013(g), of Section B, of this permit.

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

The permittee shall ensure that the source(s) and air pollution control device(s), listed in this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with

**SECTION C. Site Level Requirements**

manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.****# 023 [25 Pa. Code §127.441]  
Operating permit terms and conditions.**

The requirements of this State-only Operating permit supersede the requirements of the Title V Operating Permit that expires on October 20, 2024.

**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.

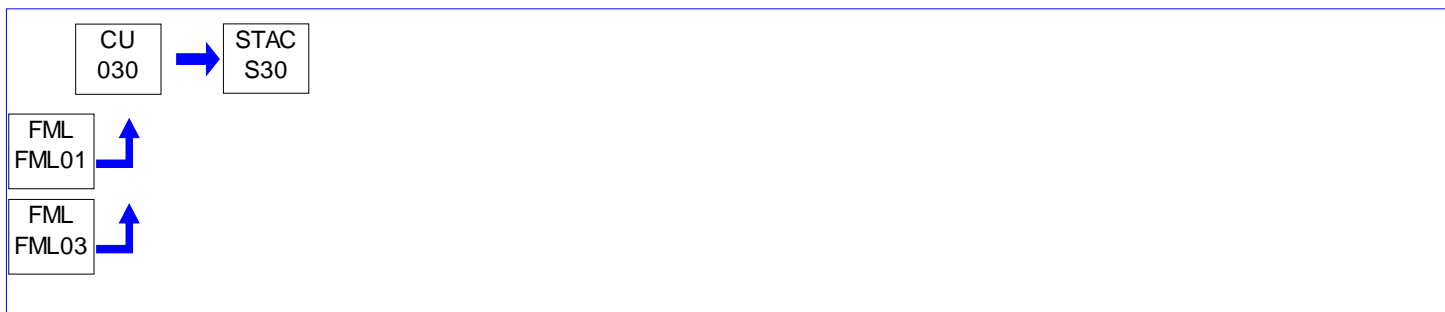
**SECTION D. Source Level Requirements**

Source ID: 030

Source Name: KEELER BOILER

Source Capacity/Throughput: 48.000 MMBTU/HR  
 46,377.000 CF/HR Natural Gas  
 344.000 Gal/HR #2 Oil

Conditions for this source occur in the following groups: 1-KEELER &amp; CLEAVER BROOKS BOILERS

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.22]****Combustion units**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO<sub>2</sub>, from any combustion unit, in the Southeast Air Basin, in excess of 1.0 lb/MMBtu of heat input, pursuant to 25 Pa. Code § 123.22(e)(1).

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

The NO<sub>x</sub> emissions from this source shall not exceed 1.72 tpy on a 12-month rolling basis.

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

The Heat Input to this source shall not exceed 24,000 mmBtu/yr on a 12-month rolling basis.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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

**SECTION D. Source Level Requirements**

The permittee shall keep records of fuel oil certifications obtained from the supplier.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.91 - 129.95.]

(a) The permittee shall maintain records including a certification from the fuel supplier of the type of fuel and for each shipment of distillate oil No. 2, a certification that the fuel complies with ASTM D396-78 "Standard Specifications for Fuel Oils." For residual oils, minimum recordkeeping includes a certification from the fuel supplier of the nitrogen content of the fuel, and identification of the sampling method and sampling protocol.

(b) The sulfur content of the fuel oil shall be obtained from the supplier and kept on-site for each delivery of fuel oil received.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.91 - 129.95.]

The permittee shall make the annual adjustment in accordance with the EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved in writing by the Department.

**VII. ADDITIONAL REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This boiler was installed in 1967.

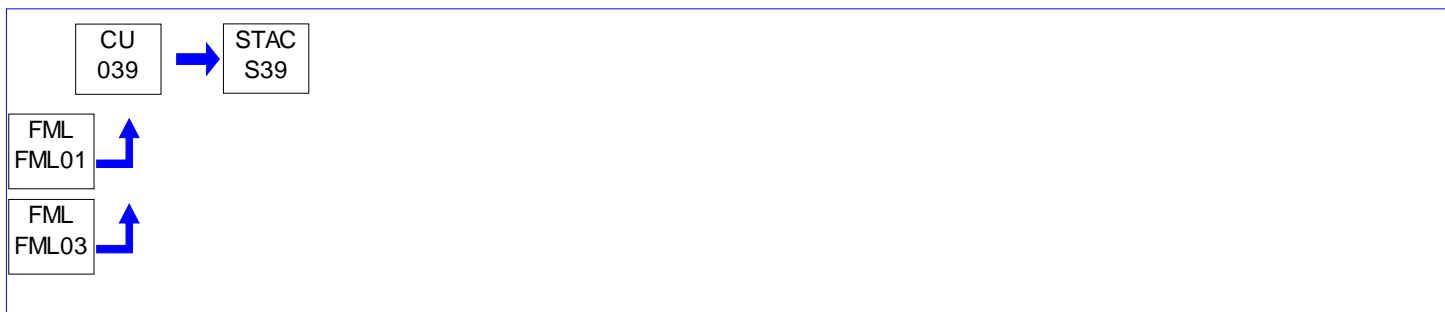
**SECTION D. Source Level Requirements**

Source ID: 039

Source Name: CLEAVER BROOKS BOILER

Source Capacity/Throughput: 27.000 MMBTU/HR  
 194.000 Gal/HR #2 Oil  
 26,087.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: 1-KEELER &amp; CLEAVER BROOKS BOILERS

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

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

The Cleaver Brooks boiler shall emit less than 12.73 tons of NOx per year, calculated on 12-month rolling sum.

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

This boiler shall be operated using low NOx burners with flue gas recirculation (FGR) capable of emitting nitrogen oxide (NOx) emissions of or less than 30 ppmv at 3% O2 or 0.035 lb/MMBtu when firing natural gas.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.42c]**  
**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units**  
**Standard for sulfur dioxide.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

(a) The permittee shall not combust oil in this boiler that contains greater than 0.5 weight percent sulfur. Compliance with the fuel oil sulfur limit shall be determined based on a certification from the fuel supplier, as described under 40 CFR 60.48c(f)(1), or (2), as applicable.

(b) SO2 emission limits and fuel oil sulfur limits apply at all times, including periods of startup, shutdown, and malfunction.

This requirement is streamlined by the more stringent sulfur limit of 0.0015% in 25 Pa. Code 123.22(e)(2)(i).

**Throughput Restriction(s).**

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

The Heat Input to this source shall not exceed 177,390 mmBtu/yr on a 12-month rolling basis.

**II. TESTING REQUIREMENTS.**

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.44c]**  
**Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units**  
**Compliance and performance test methods and procedures for sulfur dioxide.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441]



**SECTION D. Source Level Requirements**

The performance test to demonstrate compliance with the SO<sub>2</sub> standards for this source shall consist of the certification from the fuel supplier, as described in the recordkeeping requirements for this source, as applicable.

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**IV. RECORDKEEPING REQUIREMENTS.**

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]  
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units  
Reporting and recordkeeping requirements.**

The permittee shall record:

- 1) 30-day average sulfur content (weight percent), calculated during the reporting period, ending with the last 30-day period; reasons for any noncompliance with the emission standards; and a description of corrective actions taken.
- 2) If fuel supplier certification is used to demonstrate compliance, records of fuel supplier certification as described under paragraph (f)(1), (2), (3), or (4) of 40 CFR 60.48c, as applicable. In addition to records of fuel supplier certifications, the report shall include a certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

**V. REPORTING REQUIREMENTS.**

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]  
Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units  
Reporting and recordkeeping requirements.**

The permittee shall submit reports to the Administrator of the records recorded in Condition #006 including the calendar dates covered in the reporting period.

**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) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

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

This boiler was installed in 1996.

**SECTION D. Source Level Requirements**

Source ID: 034

Source Name: AIR HANDLING UNITS IN PLATING AREA

Source Capacity/Throughput: 13.750 MMBTU/HR

13,285.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: 5-AIR HANDLING UNITS

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

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

The NO<sub>x</sub> emission from this source shall not exceed 2.91 tpy in any consecutive 12-month rolling period.

**Fuel Restriction(s).**

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

The Natural Gas fuel usage for this source shall not exceed 58.0 mmCf/yr on a 12-month rolling basis.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

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

The permittee shall monitor the amount of fuel usage to this source on a monthly basis.

**IV. RECORDKEEPING REQUIREMENTS.**

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

The permittee shall keep records of the amount of fuel usage for this source on a monthly basis.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).



## **SECTION D. Source Level Requirements**

### **VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

### **VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements**

Source ID: 040

Source Name: COATING ROOM AIR HANDLING UNIT

Source Capacity/Throughput: 2.475 MMBTU/HR

2,391.000 CF/HR

Natural Gas

Conditions for this source occur in the following groups: 5-AIR HANDLING UNITS

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

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

The NOx emission from this source shall not exceed 0.52 tpy in any consecutive 12-month rolling period.

**Fuel Restriction(s).**

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

The Natural Gas fuel usage for this source shall not exceed 10.0 mmCf/yr on a 12-month rolling basis.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

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

The permittee shall monitor the amount of fuel usage by this source on a monthly basis.

**IV. RECORDKEEPING REQUIREMENTS.**

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

The permittee shall keep records of the amount of fuel usage by this source on a monthly basis.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

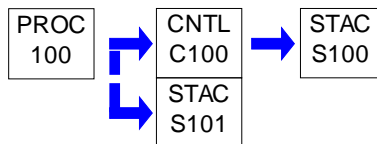
**SECTION D. Source Level Requirements**

Source ID: 100

Source Name: AUTO. BARREL PLATING LINE 2

Source Capacity/Throughput: 960.000 Lbs/HR PLATING CHEM.  
10.000 Sq Ft/HR

Conditions for this source occur in the following groups: 3-PLATING LINES 100, 101, 110 AND 120

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.****# 001 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall ensure that a minimum scrubber water flow rate of 132 gpm will be maintained on any occasion when the source is operated.

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

While electroplating is in progress, the air curtain system across the plating line tanks shall be in operation.

**VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.411]****Content of applications.**

This source consists of the following two (2) processing lines, exhausting to the same control device:

**SECTION D. Source Level Requirements**

- (a) Auto Barrel Plating Line 2; and
- (b) Auto Rack Plating Line 1.

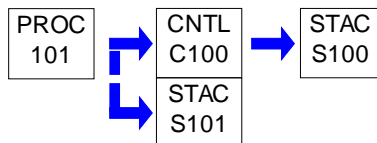
**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: AUTO. RACK PLATING LINE (LINE 1)

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 3-PLATING LINES 100, 101, 110 AND 120

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

The permittee shall limit the total particulate matter emissions from the acid exhaust to 0.02 grains per dry standard cubic foot.

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

The permittee shall limit the total particulate matter emissions from the non-acid exhaust to 0.02 grains per dry standard cubic foot.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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

The permittee shall keep all records of the stack testing protocol and results of all of the testing performed on this Automatic Rack Plating Line 1, Source Id 101 and on the Scrubber System 1, Source Id C100.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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

a) The permittee shall ensure that while electroplating is in progress, the air curtain system across the plating line tanks shall be in operation.

b) Equipment shall be operated to measure the water flow rate to the scrubber (rotameter or equivalent).



**SECTION D. Source Level Requirements****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall ensure that a minimum scrubber water flow rate of 132 gpm will be maintained on any occasion when the source is operated.

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

The Department will have access to the sources and control devices at any time with such measuring and recording equipment as deemed necessary by the Department.

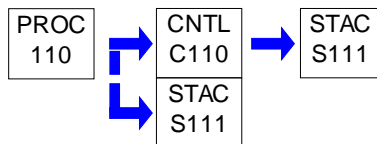
**SECTION D. Source Level Requirements**

Source ID: 110

Source Name: AUTOMATIC RACK PLATING LINE (#3)

Source Capacity/Throughput: 10.000 Sq Ft/HR PLATING CHEM.

Conditions for this source occur in the following groups: 3-PLATING LINES 100, 101, 110 AND 120

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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

Equipment shall be provided to measure the pressure drop across the scrubber throat (differential manometer or equivalent) at the Department's request.

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

Equipment shall be provided to measure water flow rate (rotameter or equivalent) at the Department's request.

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

While electroplating is in progress, the air curtain system across the plating line tanks shall be in operation.

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

The permittee shall ensure that a minimum scrubber water flow rate of 42 gpm will be maintained on any occasion when

**SECTION D. Source Level Requirements**

the source is operated.

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

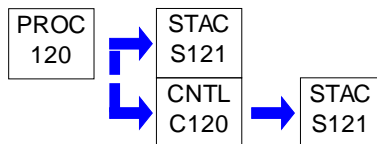
**SECTION D. Source Level Requirements**

Source ID: 120

Source Name: MANUAL RACK PLATING LINES (#4, #5, RSO)

Source Capacity/Throughput: 10.000 Sq Ft/HR PLATING CHEM.

Conditions for this source occur in the following groups: 3-PLATING LINES 100, 101, 110 AND 120

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**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) and/or Section E (Source Group Restrictions).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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

The permittee shall ensure that a minimum scrubber water flow rate of 100 gpm will be maintained on any occasion when the source is operated.

**VII. ADDITIONAL REQUIREMENTS.**

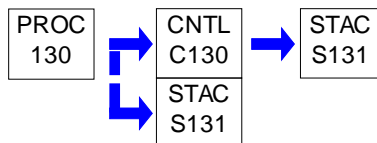
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements**

Source ID: 130

Source Name: SURFACE TREATMENT AND SMALL LOTS PLATING

Source Capacity/Throughput: 10.000 Sq Ft/HR PLATING CHEM.

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

The following air contaminant emissions in the acid exhaust shall not exceed the limits specified in the following table:

| Air contaminant      | Allowable limit<br>lb/year (12 month rolling basis) |
|----------------------|-----------------------------------------------------|
| HCl-----             | 262                                                 |
| Nitric Acid-----     | 526                                                 |
| HF-----              | 1.3                                                 |
| Phosphoric acid----- | 0.26                                                |
| Chromic acid-----    | 0.7                                                 |
| Nickel-----          | 0.2                                                 |
| Boric Acid-----      | 0.09                                                |

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

The following listed air contaminant emissions in the non-acid exhaust shall not exceed the limits specified in the following table:

| Air Contaminant           | Allowable Limit<br>lb/year (12 month rolling basis) |
|---------------------------|-----------------------------------------------------|
| Sodium Hydroxide-----     | 280.3                                               |
| Potassium Permanganate--- | 26.3                                                |
| Sodium Cyanide-----       | 26.3                                                |
| Albatex BDF-----          | 18                                                  |
| Potassium Cyanide-----    | 9                                                   |
| Silver-----               | 0.3                                                 |
| Sodium Dichromate-----    | 13.1                                                |
| Sodium Nitrite-----       | 44                                                  |
| Sodium Nitrate-----       | 44                                                  |

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

The scrubbing system shall be operated to maintain the following parameters:

- pressure drop across the scrubber throat - between 1" and 4" water column; and
- scrubber liquor pH - minimum of 9.0.
- scrubber liquid flowrate - minimum of 15 gpm.

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

(a) The permittee shall monitor the following on a daily basis:

- (a) the scrubbing liquor flow rate;
- (b) the static pressure drop across the scrubber; and
- (c) the pH of the scrubbing liquor.

(b) The permittee shall calculate the emissions for each acid exhaust and non-acid exhaust pollutant, as listed in Conditions #001 and 002, monthly and on 12-month rolling sums.

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

(a) The permittee shall keep records of the time and date in which the scrubber connected to this source is shut down for maintenance or for any other reason.

(b) The permittee shall keep records of the time and date in which the scrubber is started up again after a shut down.

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

(a) The permittee shall keep records of the following on a daily basis:

- (1) the scrubbing liquor flow rate;
- (2) the static pressure drop across the scrubber; and
- (3) the pH of the scrubbing liquor.

(b) The permittee shall keep records of the emission calculations for each acid exhaust and non-acid exhaust pollutant, as listed in Conditions #001 and 002, monthly and on 12-month rolling sums.

**V. REPORTING REQUIREMENTS.**

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

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

The permittee shall ensure that acid electroplating performed by this source is performing when the scrubber associated with this electroplating process is in operation.

The scrubber connected to this source must be in operation for at least one (1) hour after all electroplating performed by this source has terminated.

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

The following conditions apply to the acid exhausts from the plating lines of this source:

- (a) the scrubber for these plating processes shall be a packed scrubber type manufactured by Met-Pro Corporation, Model No. F103-64, or equivalent approved by the Department. The scrubbing liquor shall be a Sodium Hydroxide solution with a minimum pH of 9;

**SECTION D. Source Level Requirements**

- (b) the hoods over the plating tanks shall have sufficient suction to draw all fugitive mists into the scrubber;
- (c) the scrubber shall be on whenever the Metal Finishing and Electroplating Lines with acidic tanks are in operation;
- (d) the permittee shall maintain the scrubber according to the Company's Prevention Maintenance Schedule;
- (e) the permittee shall keep a record of all inspections and repairs made to the scrubber system;
- (f) no sulfuric acid shall be detected at the stack outlet;
- (g) the permittee shall ensure that a rotameter or equivalent will be provided so that at the request of the Department water flow rate to the scrubber can be measured; and
- (h) the permittee shall ensure that a differential manometer or equivalent shall be provided so that, at the request of the Department, the pressure drop across the scrubber throat can be measured at any time.

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

The fan exhauster shall have sufficient suction to draw air from the hoods located over the non-acid plating tanks without interference from outside drafts. The fan shall be operated during non-acid plating.

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

Source ID. # 130 (Surface Treatment and Small Lots Plating) consists of the following operations:

- (a) black oxide/phosphate plating line;
- (b) passivate/stripping line;
- (c) chromate plating line;
- (d) small lot plater; and
- (e) chemical milling.

**SECTION D. Source Level Requirements**

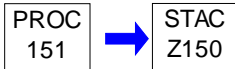
Source ID: 151

Source Name: VAPOR DEGREASER 01 (BACK-UP)

Source Capacity/Throughput: 4,000.000 Lbs/HR

AL &amp; ALLOY STEEL AEROSPACE

Conditions for this source occur in the following groups: VAPOR DEGREASERS

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the emissions of VOC from this source to less than 11.32 tons per year in any consecutive 12-month rolling period. The solvent is 100% a Volatile Organic Compound (VOC).

**Throughput Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the degreasing operation to aluminum and alloy steel aerospace fasteners to a maximum rate of 4,000 pounds per hour.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the annual usage of solvent to 3,000 gallons, calculated as a 12-month rolling sum.

**Control Device Efficiency Restriction(s).**

# 004 [25 Pa. Code §129.63]

**Degreasing operations**

The permittee shall use the following control device devices and strategies:

- (1) a freeboard ratio of 1.0 or greater,
- (2) a freeboard refrigeration device, and
- (3) superheated vapor.

**II. TESTING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

- (a) The permittee shall test the still bottom waste and the filter waste to determine the content of solvent on a semi-annual basis.
- (b) The results for each test of solvent content in the still bottom waste and filter waste will be used for the following six (6) month period in material balance calculations to determine the solvent emissions until the results from the next test of solvent content in the still bottom waste and the filter waste are obtained.



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

- (a) The temperature, at the center of the chilled air blanket, shall be monitored using a thermocouple, or equivalent, at least once per week. The temperature shall be taken while the vapor degreaser is in the idling mode.
- (b) The temperature, at the center of the superheated solvent vapor zone, shall be monitored using a thermocouple, or equivalent, at least once per week. The temperature shall be taken while the vapor degreaser is in the idling mode.
- (c) If the cover is used to comply with 25 Pa Code Section 129.63(b)(1)(i) the cover shall be monitored monthly to ensure that the cover is opening and closing properly, completely covers the vapor degreaser openings when closed, and is free of cracks, holes, and other defects.

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

The permittee shall record sufficient data, in a format approved by the Department, so that compliance with the conditions of this permit can be determined. Records shall be made available to the Department upon request.

- (a) The permittee shall record the results of data collected from the testing and monitoring requirements, above.
- (b) The permittee shall keep monthly records of its inspections that determine if cover is opening and closing properly, completely covers the machine openings when closed and is free of cracks, holes and other defects.
- (c) The permittee shall maintain records in written or electronic form of the operations manuals or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment.
- (d) The permittee shall maintain records of the date of installation for the solvent cleaning machine and all of its control devices.
- (e) The permittee shall make recordkeeping formats, records, and operating procedure pertinent to the determination of the material balance of solvent available to the Department upon request.

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

The permittee shall keep records of the amount of solvent used by this source on a monthly basis.

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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

This source shall not operate simultaneously with Source ID 152 but only as a backup unit when Source ID 152 is down for repairs or maintenance.

**# 010 [25 Pa. Code §129.63]****Degreasing operations**

This batch vapor cleaning machine shall be equipped with:

- (a) either a fully enclosed design or a powered working and downtime mode cover that completely covers the cleaning

**SECTION D. Source Level Requirements**

machine openings when in place, is free of cracks, holes and other defects, and can be readily opened or closed without disturbing the vapor zone. If the solvent cleaning machine opening is greater than 10 square feet, the cover shall be powered. If a lip exhaust is used, the closed cover shall be below the level of the lip exhaust.

(b) a safety switch (thermostat and condenser flow switch) which shuts off the sump heat if the coolant is not circulating;

(c) the permittee shall not equip this batch vapor cleaning machine with a spray pump.

(d) an automated parts handling system which moves the parts (or parts basket) at a speed of 11 feet per minute or less when the parts or parts are entering or exiting the vapor zone. If the parts basket being cleaned occupy more than 50% of the solvent/air interface area, the speed of the parts or parts basket may not exceed 3 feet per minute.

(e) a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils.

(f) a vapor level control device that shuts off the sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.

**VII. ADDITIONAL REQUIREMENTS.**

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This source is composed of one vapor degreaser manufactured by Ultra-Kool, model number 114-39-24 or equivalent. Its internal dimensions are 39" x 114" and is 50" deep. The solvent/air interface dimensions are 108" x 33" (24.75 sq. ft.). The main basket has dimensions 42" x 24.5" (7.14 sq. ft.); this is 29% of the solvent/air interface area. This unit's installation date is: 05/2011.

**SECTION D. Source Level Requirements**

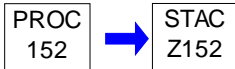
Source ID: 152

Source Name: VAPOR DEGREASER 02

Source Capacity/Throughput: 1,500.000 Lbs/HR

AL &amp; ALLOY STEEL AEROSI

Conditions for this source occur in the following groups: VAPOR DEGREASERS

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

The permittee shall limit the emissions of VOC from this source to:

- 1) 2.08 pounds per hour and
- 2) 9.11 tons per year in any consecutive 12-month rolling period.

**Throughput Restriction(s).****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the annual usage of solvent to 2,003 gallons calculated as a 12-month rolling sum.

Notes:

- 1) Solvent Usage = Solvent Additions – Solvent Removals (reclaim).
- 2) Compliance with this annual usage limitation will assure compliance with the 9.11 tpy VOC emission limit.

**Control Device Efficiency Restriction(s).****# 003 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall use the following control device devices and strategies:

- 1) a working mode cover,
- 2) a freeboard refrigeration device and
- 3) superheated vapor.

Compliance with this condition assures compliance with 25 Pa. Code 129.63(b)(2)(iii).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

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

- (a) The temperature, at the center of the chilled air blanket, shall be monitored using a thermocouple, or equivalent, at least once per week. The temperature shall be taken while the vapor degreaser is in the idling mode.
- (b) The temperature, at the center of the superheated solvent vapor zone, shall be monitored using a thermocouple, or equivalent, at least once per week. The temperature shall be taken while the vapor degreaser is in the idling mode.

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

The permittee shall record sufficient data, in a format approved by the Department, so that compliance with the conditions of this permit can be determined. Records shall be made available to the Department upon request.

(a) The permittee shall maintain the following records:

- amount of solvent added monthly
- amount of solvent removed monthly
- weekly chilled air blanket temp in idle mode
- weekly vapor zone temp in idle mode
- annual hoist speed

(b) The permittee shall keep monthly records of its inspections that determine if cover is opening and closing properly, completely covers the machine openings when closed and is free of cracks, holes and other defects.

(c) The permittee shall maintain records in written or electronic form of the operations manuals or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment.

(d) The permittee shall maintain records of the date of installation for the solvent cleaning machine and all of its control devices.

(e) The permittee shall make recordkeeping formats, records, and operating procedure pertinent to the determination of the material balance of solvent 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) and/or Section E (Source Group Restrictions).

**VI. WORK PRACTICE REQUIREMENTS.****# 006 [25 Pa. Code §129.63]****Degreasing operations**

This batch vapor cleaning machines shall be equipped with:

- (i) Either a fully enclosed design or a working and downtime mode cover that completely covers the cleaning machine openings when in place, is free of cracks, holes and other defects, and can be readily opened or closed without disturbing the vapor zone. If the solvent cleaning machine opening is greater than 10 square feet, the cover shall be powered. If a lip exhaust is used, the closed cover shall be below the level of the lip exhaust.
- (ii) Sides which result in a freeboard ratio greater than or equal to 0.75.

**SECTION D. Source Level Requirements**

- (iii) A safety switch (thermostat and condenser flow switch) which shuts off the sump heat if the coolant is not circulating.
- (iv) A vapor up control switch which shuts off the spray pump if vapor is not present. A vapor up control switch is not required if the vapor cleaning machine is not equipped with a spray pump.
- (v) An automated parts handling system which moves the parts or parts baskets at a speed of 3 feet per minute or less when the parts or parts [baskets] are entering or exiting the vapor zone.
- (vi) A device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils.
- (vii) A vapor level control device that shuts off the sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser.
- (viii) A permanent, conspicuous label summarizing the operating requirements in 25 Pa. Code §129.63(b)(4).

[25 Pa. Code 129.63(b)(1)]

**VII. ADDITIONAL REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This source is composed of one vapor degreaser manufactured by Baron Blakeslee SFC Inc., model number ZLEL-432-SW, Serial Number 200673. The solvent-air interface is 34" x 48" (11.33 sq. ft.). Its main basket dimensions are 24" x 40" (6.67 sq. ft. 59% of solvent-air interface area) and is 18" deep. This unit's installation date is: 2021.

**SECTION D. Source Level Requirements**

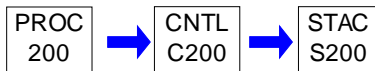
Source ID: 200

Source Name: SURFACE COATING OPERATIONS

Source Capacity/Throughput:

N/A

AEROSPACE COMPONENTS

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

(a) The total volatile organic compound (VOC) emissions from the facility-wide coating operations shall be less than twelve (12) tons per year in any twelve (12) consecutive months.

(b) VOC emissions from the two exempt, dry film lubricant booths shall be limited to 2.0 tpy on a 12-month rolling basis.

**Throughput Restriction(s).****# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The total volume of surface coating applied in this source shall not exceed 3,700 gallons per year on a 12-month rolling basis.

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

[Additional authority for this condition is also derived from 25 Pa. Code §129.52 and 40 CFR part 60, Appendix A.]

(a) The permittee shall test their coating(s), as applied for the following, in accordance with Method 24, as specified in 40 CFR Part 60, Appendix A:

- (1) volatile matter content;
- (2) water content;
- (3) density;
- (4) volume solids; and
- (5) weight solids.

(b) The permittee shall test each coating for each delivery, except those that are delivered having the same lot or batch number that have been previously tested.

(c) The above testing requirements shall be waived if the permittee can demonstrate compliance with any of the following:

- (1) a statement from the supplier that EPA Method 24 was used;
- (2) a Certified Product Data Sheet (CPDS) is received from the supplier; or
- (3) a MSDS (the upper bound) is used.

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

The permittee shall monitor the:

**SECTION D. Source Level Requirements**

- (a) VOC content per gallon of coating applied and  
 (b) VOC emissions,

for the two (2) dry film lubricant booths.

**# 005 [25 Pa. Code §129.52]****Surface coating processes**

A facility, regardless of the facility's annual emission rate, which contains surface coating processes shall maintain records sufficient to demonstrate compliance with this section. At a minimum, a facility shall maintain daily records of:

- (a) the following parameters for each coating, thinner and other component as supplied:
- (1) the coating, thinner or component name and identification number;
  - (2) the volume used;
  - (3) the mix ratio;
  - (4) the density or specific gravity;
  - (5) the weight percent of total volatiles, water, solids and exempt solvents;
  - (6) the volume percent of solids for Table I (of 25 Pa. Code 129.52) Surface Coating Process Categories 1—10.
- (2) the VOC content of each coating, thinner and other component as supplied; and  
 (3) the VOC content of each as applied coating.

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

The permittee shall keep daily records of the pressure drop across the paint filters when in operation.

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

The company must record the following information:

- (a) daily coating quantity in gallons of coating as applied;
- (b) the coating composition:
- (1) percent solids by volume;
  - (2) percent solvent by volume;
  - (3) percent water by volume;
  - (4) pounds of VOC per gallon minus water; and
  - (5) solvent density.
- (c) the permittee shall calculate and record the VOC emissions from the coating operations on a monthly and a 12-month rolling basis.

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

The permittee shall keep daily records of the:

- (a) VOC content per gallon of coating applied and  
 (b) VOC emissions,

for the two (2) dry film lubricant booths.

**# 009 [25 Pa. Code §129.51]****General**

The permittee shall maintain records in accordance with 25 Pa. Code §§ 129.51 and 129.52 (relating to general; and

**SECTION D. Source Level Requirements**

surface coating processes) including:

- (a) a current list of coatings showing VOC content as applied and usage on an annual basis;
- (b) a current list of cleaning solvents used and annual usage for hand wiping solvents including the water content of aqueous and semi aqueous solvents and the vapor pressure and composite vapor pressure of all compliant solvents and solvent blends; and
- (c) a current list and annual usage information for exempt hand-wipe cleaning solvents with a vapor pressure greater than 45 millimeters of mercury (mmHg) used in exempt hand-wipe cleaning operations.

**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.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The surface coating booths shall be equipped with a pressure drop gauge to measure the pressure drop through the paint filters. The permittee shall monitor the pressure drop across the paint filters on a daily basis, when in operation.

**# 011 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The pressure drop through the paint filters shall have a maximum pressure drop of 1.0 inch.

**# 012 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The VOC content of the coatings used in the two exempt, dry film lubricant booths shall be limited to 7.3 pounds per gallon of coating as applied.

**# 013 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The following work practice standards shall be followed:

- (a) all VOC-containing materials shall be stored in closed, nonabsorbent, non-leaking containers when not being mixed or transferred to another container;
- (b) cloth and paper, or other absorbent applicators, moistened with coatings, solvents or cleaning solvents, shall be stored in closed, nonabsorbent, non-leaking containers; and
- (c) all spills shall be cleaned up as soon as possible.

**VII. ADDITIONAL REQUIREMENTS.**

**# 014 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The Surface Coating Operations (Source ID 200) at SPS Technologies, Inc. consists of eight spray booths (3 automatic and 5 manual), a mixing room, several electric ovens and two dry film lubricant booths. Dry film ovens are also a part of this source. The eight spray booths each have their own stack and include the following control devices:

- (a) Moly Area Booth #1 Filter (C201);
- (b) Moly Area Booth #2 Filter (C202);
- (c) Moly Area Booth #3 Filter (C203);
- (d) Hand spray Booth Filter (C204);



**SECTION D. Source Level Requirements**

- (e) Small Paache Booth Filter #1 (C205);
- (f) Small Paache Booth Filter #2 (C206);
- (g) Large Paache Booth Filter #1 (C207); and
- (h) Large Paache Booth Filter #2 (C208).

The two dry film lubricant booths have their own coarse filters for PM control.

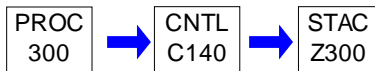
**SECTION D. Source Level Requirements**

Source ID: 300

Source Name: CARBIDE TOOL MANUFACTURING

Source Capacity/Throughput:

N/A

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

# 001 [25 Pa. Code §123.13]

**Processes**

No person may permit the emission into the outdoor atmosphere of particulate matter from these sources in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor the pressure drop across each dust collector on a weekly basis.

**IV. RECORDKEEPING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall keep records of the pressure drop across each dust collector on a weekly basis.

**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.**

(a) The permittee may keep on hand a sufficient quantity of spare fabric collector bags for the fabric collector(s) associated with this source in order to be able to immediately replace any bags requiring replacement due to deterioration resulting from routine operation of the source(s) and fabric collector(s).

(b) If a sufficient number of fabric collector bags are not present at this facility to perform the replacement of collector bags due to deterioration resulting from routine operation of the source(s) and fabric collector(s), the permittee shall shut down this source until such time that the replacement fabric collector bags arrive at the facility, the replacement collector bags are installed in the dust collector, and the dust collector is in operation.

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The pressure differential across each collector shall be maintained at a maximum pressure of 5.5 inches water gauge.

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

The permittee shall not operate this source when the bags in the fabric collector are being shaken.

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION D. Source Level Requirements**

Source ID: 737

Source Name: HEAT TREAT UNITS

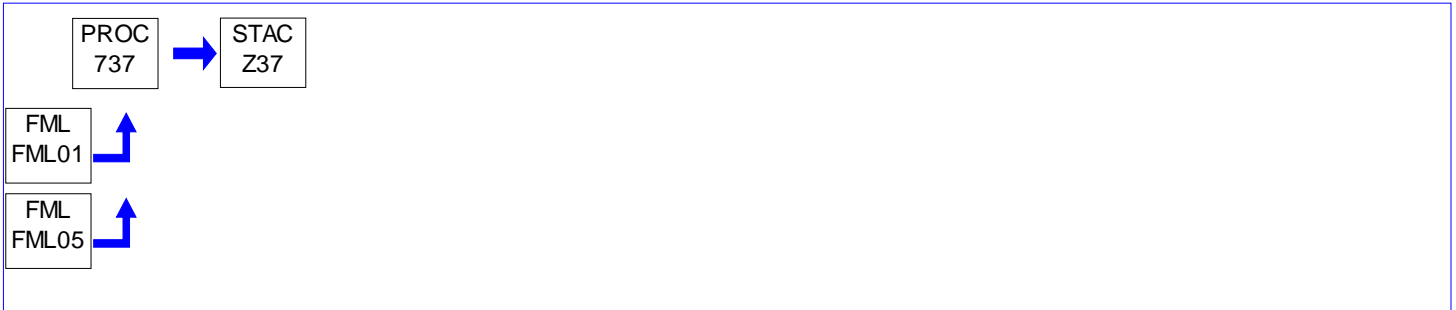
Source Capacity/Throughput: 5.700 MMBTU/HR

5,507.000 CF/HR

Natural Gas

61.800 Gal/HR

Propane

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

# 001 [25 Pa. Code §123.13]

**Processes**

The permittee may not permit the emission into the outdoor atmosphere of particulate matter from these processes where the concentration of particulate matter in the effluent gas exceeds 0.04 gr/dscf, as per 25 Pa. Code §127.13(c)(1)(i).

# 002 [25 Pa. Code §123.21]

**General**

The permittee may not permit the emission into the outdoor atmosphere of sulfur oxides from any of these sources in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The VOC emissions from each of these heat treating units shall not exceed 3 pounds per hour, 15 pounds per day, or 2.7 tons per year on a 12-month rolling period, whichever is more stringent.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall limit the amount of propane used in this source to 271,000 gallons per year on a 12-month rolling basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall monitor on a daily basis using a Department approved method:

(a) fuel type and amount used, or the amount of hydrogen/carbon monoxide combustion atmosphere used in each piece of equipment listed under this source; and

**SECTION D. Source Level Requirements**

(b) hours of operation.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall monitor the amount of propane used by this source on a monthly basis to show compliance with the 271,000 gal/yr limitation.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) The permittee shall keep records of the following on a daily basis using a Department approved method:

- (1) fuel type and amount used, or the amount of hydrogen/carbon monoxide combustion atmos here used in each piece of equipment listed under this source; and
- (2) hours of operation.

(b) Using a Department approved method, the permittee shall calculate the emissions of particulate matter, sulfur oxides, and volatile organic compounds from these sources on a monthly basis and twelve (12) month rolling period. The permittee shall keep records of the emissions from these sources to assure compliance with the applicable emission limitations for this source.

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall monitor the amount of fuel usage and calculate the heat input to this source on a monthly basis.

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall keep records of the amount of propane usage by this source on a monthly basis to show compliance with the 271,000 gal/yr limitation.

**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.**

**# 010 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The following sources are included under Heat Treat Units (Source ID #037):

- (a) Ipsen Hardening Ovens (2 total);
- (b) Ipsen Tempering Ovens (2 total);

**SECTION D. Source Level Requirements**

- (c) Surface Combustion Atmosphere Generator;
- (d) AGF Shaker Furnaces;
- (e) HC1 Furnace;
- (f) HC2 Furnace; snd
- (g) DFI Shaker Oven.

**SECTION D. Source Level Requirements**

Source ID: 738

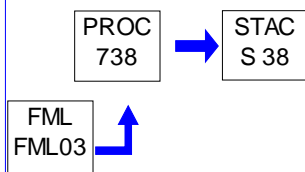
Source Name: DIESEL FIRE PUMP

Source Capacity/Throughput:

1.100 MMBTU/HR

7.890 Gal/HR

#2 Oil

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this diesel fire pump in excess of 0.04 gr/dsfc, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

**# 002 [25 Pa. Code §123.21]****General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this diesel fire pump in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

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

(a) The permittee shall use No. 2 commercial fuel oil only to which there has been no reclaimed or waste oil or other waste materials added.

(b) The permittee shall use No. 2 commercial fuel oil only which contains 0.2 percent of sulfur by weight or less.

**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.**

Using a Department approved method the permittee shall monitor the following for this source when this source is in operation:

(a) the date and time of startup for maintenance purposes;

(b) the date and time of shutdown for maintenance purposes;

(c) the date, time and causes other than maintenance of start-up and shutdown for this source;

(d) the permittee shall keep a record, on a monthly basis, calculated as a 12-month rolling sum, of the hours of operation of this source; and

(e) the permittee shall keep a record, on a monthly basis, calculated as a 12-month rolling sum, of the fuel used by this source.

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

(a) Using a Department approved method, the permittee shall keep records of the following for this source when this

**SECTION D. Source Level Requirements**

source is in operation:

- (1) the date and time of startup for maintenance purposes;
  - (2) the date and time of shutdown for maintenance purposes;
  - (3) the date, time and causes other than maintenance of start-up and shutdown for this source;
  - (4) the permittee shall keep a record, on a monthly basis, calculated as a 12-month rolling sum, of the hours of operation of this source; and
  - (5) the permittee shall keep a record, on a monthly basis, calculated as a 12-month rolling sum, of the fuel used by this source.
- (b) The permittee shall keep a one time record of the horsepower output of this source used during testing and the total horsepower output under full load.
- (c) The permittee shall calculate and record the emissions of nitrogen oxides in such a way as to demonstrate compliance with the applicable limitations.
- (d) The permittee shall maintain records of tune-ups, repairs, parts replacements and other maintenance performed in accordance with manufacturer's specifications.
- (e) The data recorded in paragraphs (a), (b), (c), and (d) above shall be kept on file for a period of five (5) years, and the files shall be made available to the Department upon request.
- (f) The permittee shall maintain a copy of the manufacturer's specifications for the operation and maintenance of the generators for the lifetime of the source.

**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.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall limit the operating hours of this source to 500 hr/yr on a 12-month rolling basis.

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?**

In accordance with 40 CFR Section 63.6602 and Table 2c:

- (a) The permittee must meet the following requirement, except during periods of startup:
  - (1) change oil and filter every 500 hours of operation or annually, whichever comes first;
  - (2) inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
  - (3) inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
- (b) During periods of startup, the permittee must minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

**VII. ADDITIONAL REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

This 425 HP, 6 cylinder, Detroit diesel driven fire pump was installed before 1995.



**SECTION D. Source Level Requirements****# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

[Additional Authority for this permit condition is derived from 25 Pa Code Section 127.441]

The permittee shall ensure compliance with the following requirements:

(a) In accordance with 40 CFR Section 63.6585, the following stationary RICE emergency diesel engine that powers fire pump is subject to and required to comply with Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines:

Manufacturer, Model Number, HP

-----  
1. Detroit diesel, unknown, 425

In accordance with 40 CFR Section 63.6590(1)(ii), the permittee's stationary reciprocating IC engine is existing because commenced construction before June 12, 2006.

(b) In accordance with 40 C.F.R. Section 63.6595(a), the permittee shall ensure that this reciprocating internal combustion compression ignition diesel engine complies with the applicable emission limitations and operating limitations of 40 CFR Part 63 Subpart ZZZZ.

(c) The permittee shall limit the use of this emergency RICE to the following:

- (1) the emergency RICE shall only be used to prevent fire, floods and the associated events or to perform preventative maintenance; and
- (2) the emergency RICE shall not be used to supplement the primary power supply to the facility or power any equipment other than fire pump.

**# 010 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R. Part Subpart ZZZZ and must meet all requirements for non-emergency engines.

**SECTION D. Source Level Requirements**

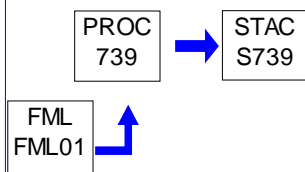
Source ID: 739

Source Name: EMERGENCY GENERATORS (7 TOTAL)

Source Capacity/Throughput: 0.370 MMBTU/HR

356.000 CF/HR

Natural Gas

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

# 001 [25 Pa. Code §123.13]

**Processes**

For each emergency generator listed under this source, no person may permit the emission into the outdoor atmosphere particulate matter in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

# 002 [25 Pa. Code §123.21]

**General**

For each emergency generator listed under this source, no person may permit the emission into the outdoor atmosphere of sulfur oxides in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmvd.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall maintain the combined NO<sub>x</sub> emissions for the internal combustion engines listed under this source to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season, and 6.6 tons per year on a 12-month rolling basis.

**Fuel Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall only use natural gas as fuel.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Using a Department approved method and starting with the effective date of this Title V Permit, the permittee shall monitor the following for this source when this source is in operation:

- (a) the date and time of startup for each emergency generator; and
- (b) the permittee shall compile, on a monthly basis, as well as a 12-month rolling sum, of the hours of operation of each generator.

Note: The generators shall only be operated during emergency and testing.

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

(a) Using a Department approved method and starting with the effective date for this Title V Permit, the permittee shall keep records of the following for this source when this source is in operation:

- (1) the date and time of startup for each emergency generator; and
- (2) the permittee shall keep a record, on a monthly basis, calculated as a 12-month rolling sum, of the hours of operation of each generator.

(b) The permittee shall calculate and record the emissions of nitrogen oxides in such a way as to demonstrate compliance with the applicable limitations on nitrogen oxides for the emergency generators listed under this source.

(c) The permittee shall maintain records of tune-ups, repairs, parts replacements and other maintenance performed in accordance with manufacturer's specifications.

(d) The permittee shall maintain a copy of the manufacturer's specifications for the operation and maintenance of the generators for a period of lifetime of the source.

Note: The generators shall only be operated during emergencies and testing.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 007 [25 Pa. Code §127.411]****Content of applications.**

The permittee shall limit the operating hours of this source to 500 hr/yr on a 12-month rolling basis.

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

The permittee shall operate and maintain each emergency generator listed under this source in accordance with manufacturers' specifications.

**VII. ADDITIONAL REQUIREMENTS.****# 009 [25 Pa. Code §127.411]****Content of applications.**

The engines comprising this source are as follows:

- Onan, Model No. JB, and located outside the heat treat near the Main Gage Crib;
- Onan, Model No. JC, and located on the first floor near the Air Compressors in mechanical Room;
- Onan, Model No. GGDB-4964896, and located on the 2nd floor (engineering, near staircase down to MCL);
- Onan, Model No. GGDB-4484819, and located near the Machine Re-build; on mezzanine up staircase;
- Spectrum Detroit Diesel, Model No. 30GS60, and located Up ladder, near MCL on drawing;
- Onan, Model No. 15JCL, and located on the first floor near the Air Compressors in mechanical Room; and
- Onan, Model No. JB, and located in the Boiler room.

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

All engines are installed prior to June 12, 2006 and burn natural gas.

**# 011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**SECTION D. Source Level Requirements****Am I subject to this subpart?**

[Additional Authority for this permit condition is derived from 25 Pa Code Section 127.441]

The permittee shall ensure compliance with the following requirements:

(a) In accordance with 40 CFR Section 63.6585, the following stationary RICE emergency engines are subject to and required to comply with Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines:

| Manufacturer, Model Number, HP |    |  |
|--------------------------------|----|--|
| 1. Detroit Diesel, 30GS60,     | 40 |  |
| 2. Onan, 125JC,                | 20 |  |
| 3. Onan, 7.5JB,                | 10 |  |
| 4. Onan, 7.5JB,                | 10 |  |
| 5. Onan, GGDR,                 | 20 |  |
| 6. Onan, LRG4251,              | 20 |  |
| 7. Onan, 15JCL,                | 25 |  |

In accordance with 40 CFR Section 63.6590(1)(ii), the permittee's stationary reciprocating IC engines are existing because each commenced construction before June 12, 2006.

(b) In accordance with 40 C.F.R. Section 63.6595(a), the permittee shall ensure that those reciprocating internal combustion spark ignition engines comply with the applicable emission limitations and operating limitations of 40 CFR Part 63 Subpart ZZZZ.

(c) The permittee shall limit the use of the emergency generators to the following:

- (1) the emergency generators shall only be used during electrical failures or to perform preventative maintenance.
- (2) the emergency generators shall not be used to supplement the primary power supply to the facility.

**# 012 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6602]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations must I meet if I own or operate an existing stationary RICE with a site rating of equal to or less than 500 brake HP located at a major source of HAP emissions?**

In accordance with 40 CFR Section 63.6602 and Table 2c:

(a) The permittee must meet the following requirement, except during periods of startup:

- (1) change oil and filter every 500 hours of operation or annually, whichever comes first;
- (2) inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;
- (3) inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

(b) During periods of startup the permittee must minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

**# 013 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. Section 63.6640(f).

**SECTION D. Source Level Requirements**

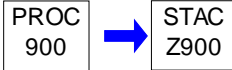
(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R. Part Subpart ZZZZ and must meet all requirements for non-emergency engines.

**SECTION D. Source Level Requirements**

Source ID: 900

Source Name: MISCELLANEOUS FUGITIVE EMISSIONS

Source Capacity/Throughput:

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

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

The VOC emissions from these sources shall not exceed 3 pounds per hour, 15 pounds per day, or 1.0 tons per year on a 12-month rolling basis, whichever is more stringent.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

The permittee shall calculate the VOC emissions from these sources to assure compliance with Condition #001, above.

**IV. RECORDKEEPING REQUIREMENTS.**

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

The permittee shall keep records of the VOC emission calculations from these sources to assure compliance with Condition #001, above.

**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.**

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

Miscellaneous Fugitive Emissions are as follows:

- (a) 71 kerosene buckets;
- (b) penetrant inspection area;
- (c) cleaning operation; and

**SECTION D. Source Level Requirements**

(d) handwipe cleaning operations.

**SECTION E. Source Group Restrictions.**

Group Name: 1-KEELER &amp; CLEAVER BROOKS BOILERS

Group Description: Keeler &amp; Cleaver Brooks Boilers

Sources included in this group

| ID  | Name                  |
|-----|-----------------------|
| 030 | KEELER BOILER         |
| 039 | CLEAVER BROOKS BOILER |

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

A person may not permit the emission into the outdoor atmosphere of particulate matter from a combustion unit in excess of 0.4 lb/MMBtu of heat input, pursuant to 25 Pa. Code § 123.11(a)(1).

**Fuel Restriction(s).****# 002 [25 Pa. Code §123.22]****Combustion units**

(a) A person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of [500 ppm or 0.05% by weight for No. 2] by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

(b) Commercial fuel oil that was stored in the Commonwealth by the ultimate consumer:

1. Prior to July 1, 2016 which met the applicable maximum allowable sulfur content for commercial fuel oil through June 30, 2016 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after July 1, 2016.
2. Prior to September 1, 2020 which met the applicable maximum allowable sulfur content for commercial fuel oil through August 31, 2020 in subparagraph (a) at the time it was stored, may be used by the ultimate consumer in this Commonwealth on and after September 1, 2020.

(c) Only for Number 2 Fuel oil

On and after September 1, 2020, a person may not offer for sale, deliver for use, exchange in trade or permit the use of commercial fuel oil in a combustion unit in the Southeast Pennsylvania air basin if the commercial fuel oil contains sulfur in excess of 15 ppm or 0.0015% by weight for No. 2 fuel oil or lighter, by weight sulfur content, pursuant to 25 Pa. Code § 123.22(e)(2)(i), except as described in 25 Pa. Code § 123.22(e)(2)(ii) and (iii).

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

- (a) The permittee shall only use natural gas as the primary fuel for this boiler.
- (b) The permittee shall only burn No. 2 fuel oil during periods of gas curtailment, gas emergencies, or periodic testing of liquid fuel.
- (c) The permittee shall limit the burning of No. 2 fuel oil for periodic testing of liquid fuels to less than 48 hours during any calendar year.

[Compliance with conditions (b) and (c) above, ensures that this source is considered a gas fired boiler for the purposes of 40 C.F.R. Part 63 Subpart JJJJJJ].

**II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §139.16]****Sulfur in fuel oil.**



**SECTION E. Source Group Restrictions.**

(a) The following are applicable to the analysis of commercial fuel oil:

- (1) the fuel oil sample for chemical analysis shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the person responsible for the operation of the source shall collect the sample employing the procedures and equipment specified in 139.4(10) (relating to references);
- (2) tests methods and procedures for the determination of sulfur shall be those specified in 25 PA. Code § 139.4(12)--(15); and
- (3) results shall be reported in accordance with the units specified in 25 Pa. Code § 123.22 (relating to combustion units).

(b) The requirements in subpart (a), above, shall be waived in the event that a delivery receipt from the supplier, showing the maximum percent sulfur in the fuel, is obtained each time a fuel oil delivery is made.

**III. MONITORING REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall monitor the following:

- (a) fuel usage by type; and
- (b) hours of operation.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall monitor the amount of fuel usage and calculate the heat input to this source on a monthly basis.

**IV. RECORDKEEPING REQUIREMENTS.**

**# 007 [25 Pa. Code §123.22]**

**Combustion units**

The permittee shall receive with each fuel oil delivery an electronic or paper record which legibly and conspicuously contains the following information:

- (a) the date of the sale or transfer;
- (b) the name and address of the seller;
- (c) the name and address of the buyer;
- (d) the delivery address;
- (e) the volume of commercial fuel oil purchased; and
- (f) the identification of the sulfur content of the shipment of fuel oil, determined using the sampling and testing methods specified in the testing requirement above, expressed as one of the following statements:

1. For a shipment of No. 2 and lighter commercial fuel oil:

- (i) Prior to September 1, 2020 - "The sulfur content of this shipment is 500 ppm or below."
- (ii) On and after September 1, 2020 - "The sulfur content of this shipment is 15 ppm or below."

2. For a shipment of No. 5, No. 6 and heavier commercial fuel oil - "The sulfur content of this shipment is 5,000 ppm or below."

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall keep records of the following when this source burns No. 2 Fuel Oil:

- (a) the date and duration of burning No. 2 fuel oil, recorded in hours;
- (b) the reason for burning No. 2 fuel oil; and
- (c) the hours per calendar year that No. 2 fuel oil was used for periodic testing of liquid fuels.

**# 009 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

- (a) When burning natural gas, the fuel usage and operating hours shall be recorded monthly.
- (b) When burning numbers 2 fuel oil, the permittee shall maintain weekly records of the following:

**SECTION E. Source Group Restrictions.**

- (1) fuel type and amount used;
- (2) hours of operation; and
- (3) compile the fuel usage on a monthly and 12-month rolling sum.

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

The permittee keep records of the amount of fuel usage and the calculated heat input to this source on a monthly basis.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.91 - 129.95.]

(a) The permittee shall perform an annual adjustment or tuneup on the combustion process. This adjustment shall include, at a minimum, the following:

- (1) inspection, adjustment, cleaning or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation as specified by the manufacturer;
- (2) inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NO<sub>x</sub> and to the extent practicable minimize emissions of CO; and
- (3) inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation as specified by the manufacturer.

(b) The annual combustion tune-up shall be made in accordance with EPA document "Combustion Efficiency Optimization Manual for Operators of Oil and Gas-fired Boilers," September 1983 (EPA-340/1-83-023) or equivalent procedures approved by the Department in writing.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code §§ 129.91 - 129.95.]

Each adjustment conducted under the tune-up procedures for this source, shall be recorded in a permanently bound logbook, and contain the following:

- (a) the date of the tuning procedure;
- (b) the name of the service company and technician;
- (c) the final operating rate or load;
- (d) the final CO and NO<sub>x</sub> emission rates; and
- (e) the final excess oxygen rate.

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: 3-PLATING LINES 100, 101, 110 AND 120

Group Description: Plating Lines 100, 101, 110 and 120

**Sources included in this group**

| ID  | Name                                    |
|-----|-----------------------------------------|
| 100 | AUTO. BARREL PLATING LINE 2             |
| 101 | AUTO. RACK PLATING LINE (LINE 1)        |
| 110 | AUTOMATIC RACK PLATING LINE (#3)        |
| 120 | MANUAL RACK PLATING LINES (#4, #5, RSO) |

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the following on a daily basis:

- (a) the scrubbing liquor flow rate;
- (b) the static pressure drop across the scrubber; and
- (c) the pH of the scrubbing liquor.

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

- (a) The permittee shall keep records of the time and date in which the scrubber connected to this source is shut down for maintenance or for any other reason.
- (b) The permittee shall keep records of the time and date in which the scrubber is started up again after a shut down.

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

The permittee shall keep records of the following on a daily basis:

- (a) the scrubbing liquor flow rate;
- (b) the static pressure drop across the scrubber; and
- (c) the pH of the scrubbing liquor.

**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 ensure that electroplating performed by this source is only performed when the scrubber associated with this electroplating process is in operation.

The scrubber connected to this source must be in operation for at least one (1) hour after all electroplating performed by



**SECTION E. Source Group Restrictions.**

this source has terminated.

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Equipment shall be provided to measure the pressure drop across the scrubber throat and the water flow rate at the Department's request.

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall ensure that:

- (a) the pH of the scrubbing liquid leaving the scrubber will be a minimum of 6.0.
- (b) the pressure drop across the scrubber throat shall not exceed 3.0 iwc.

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: 5-AIR HANDLING UNITS

Group Description: Air Handling Units

Sources included in this group

| ID  | Name                               |
|-----|------------------------------------|
| 034 | AIR HANDLING UNITS IN PLATING AREA |
| 040 | COATING ROOM AIR HANDLING UNIT     |

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

The PM emission from this source shall not exceed 0.4 lb/mmBtu.

[25 Pa. Code 123.11(a)(1)]

**# 002 [25 Pa. Code §123.21]****General**

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

**# 003 [25 Pa. Code §123.22]****Combustion units**

The SO<sub>2</sub> emission from this source shall not exceed 1.0 lb/mmBtu.

[25 Pa. Code 123.22(e)(1)]

**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.**

Using a Department approved method, the permittee shall monitor the following information when this source is in operation for space heating:

- (a) The number of hours of operation on a monthly basis.
- (b) The amount of fuel used on a weekly basis.

The permittee shall calculate NO<sub>x</sub> emissions for this source as a 12-month rolling sum.

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

Using a Department approved method, the permittee shall keep records of the following information when this source is in operation for space heating:

**SECTION E. Source Group Restrictions.**

- (a) The number of hours of operation on a monthly basis.
- (b) The amount of fuel used on a weekly basis.

**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.****# 006 [25 Pa. Code §129.93]  
Presumptive RACT emission limitations**

The permittee shall ensure that these Air Handling Units are installed, maintained and operated in accordance with manufacturer's specifications.

[25 Pa. Code 129.93(c)(1) ]

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: VAPOR DEGREASERS  
 Group Description: Source IDs: 151 and 152  
 Sources included in this group

| ID  | Name                         |
|-----|------------------------------|
| 151 | VAPOR DEGREASER 01 (BACK-UP) |
| 152 | VAPOR DEGREASER 02           |

**I. RESTRICTIONS.****Control Device Efficiency Restriction(s).****# 001 [25 Pa. Code §129.63]****Degreasing operations**

- (a) The permittee shall maintain the temperature at the center of the chilled air blanket at 30% of the solvent boiling point, or less (35.3 °F or less).
- (b) The permittee shall maintain the temperature at the center of the superheated zone at least 10 °F above the solvent boiling point, or higher (127.7 °F or higher).

Note: The solvent used in this source is 3M Novec 73DE Engineered Fluid or equivalent. It has boiling point of the 117.7 °F.

**II. TESTING REQUIREMENTS.**

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

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

Using a Department approved method, the permittee shall monitor the following information to determine the material balance for solvent throughput and emissions for this source. The information shall include, but not be limited to, the following:

- (a) the amount of virgin solvent that is added to the vapor degreaser on a monthly basis; and  
 (b) the amount of solvent removed from the vapor degreaser on a monthly basis.

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

The permittee shall monitor the hoist speed annually by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in feet divided by the time in minutes (feet per minute).

**# 004 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall conduct monthly inspections to determine if cover is opening and closing properly, completely covers the machine openings when closed and is free of cracks, holes and other defects.

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

The permittee shall keep a record of the following:

**SECTION E. Source Group Restrictions.**

- (a) the monthly and 12-month rolling sum of volatile organic compound (VOC) emissions; and  
 (b) the monthly and 12-month rolling sum of solvent used.

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

This batch vapor cleaning machine shall be equipped with a permanent, conspicuous label summarizing the following:

This batch vapor cleaning machines shall be operated in accordance with the following procedures:

- (i) Waste solvent, still bottoms and sump bottoms 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.
- (ii) Cleaned parts shall 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. A superheated vapor system shall be an acceptable alternate technology.
- (iii) Parts or parts baskets may not be removed from the batch vapor cleaning machine until dripping has ceased.
- (iv) Flushing or spraying of parts using a flexible hose or other flushing device shall be performed within the vapor zone of the batch vapor cleaning machine or within a section of the machine that is not exposed to the ambient air. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
- (v) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in the batch vapor cleaning machine.
- (vi) Spills during solvent transfer and use of the batch vapor cleaning machine shall be cleaned up immediately.
- (vii) Work area fans shall be located and positioned so that they do not blow across the opening of the batch vapor cleaning machine.
- (viii) During startup of the batch vapor cleaning machine, the primary condenser shall be turned on before the sump heater.
- (ix) During shutdown of the batch vapor cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.
- (x) When solvent is added to or drained from the batch vapor cleaning machine, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.
- (xi) The working and downtime covers shall be closed at all times except during parts entry and exit from the machine, during maintenance of the machine when the solvent has been removed and during addition of solvent to the machine.

[25 Pa. Code 129.63(b)(4)]

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



**SECTION E. Source Group Restrictions.**

Only the following solvent shall be used in this source:

3M Novec 73DE Engineered Fluid or equivalent.

Note: The solvent is 100% Volatile with a 117.7 °F (47.6 °C) boiling point.

VOC: 1,281 g/l

VOC Less H<sub>2</sub>O & Exempt Solvents: 1,090 g/l



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

| Source Id             | Source Description                 |                        |     |
|-----------------------|------------------------------------|------------------------|-----|
| 030                   | KEELER BOILER                      |                        |     |
| <b>Emission Limit</b> |                                    |                        |     |
| 1.720                 | Tons/Yr                            |                        | NOX |
| 1.000                 | Lbs/MMBTU                          |                        | SOX |
| 0.400                 | Lbs/MMBTU                          |                        | TSP |
| 039                   | CLEAVER BROOKS BOILER              |                        |     |
| <b>Emission Limit</b> |                                    |                        |     |
| 0.035                 | Lbs/MMBTU                          | natural gas            | NOX |
| 12.730                | Tons/Yr                            |                        | NOX |
| 30.000                | PPMV                               | 3% O2; natural gas     | NOX |
| 0.400                 | Lbs/MMBTU                          |                        | TSP |
| 034                   | AIR HANDLING UNITS IN PLATING AREA |                        |     |
| <b>Emission Limit</b> |                                    |                        |     |
| 2.910                 | Tons/Yr                            |                        | NOX |
| 1.000                 | Lbs/MMBTU                          |                        | SOX |
| 500.000               | PPMV                               |                        | SOX |
| 0.400                 | Lbs/MMBTU                          |                        | TSP |
| 040                   | COATING ROOM AIR HANDLING UNIT     |                        |     |
| <b>Emission Limit</b> |                                    |                        |     |
| 0.520                 | Tons/Yr                            |                        | NOX |
| 1.000                 | Lbs/MMBTU                          |                        | SOX |
| 500.000               | PPMV                               |                        | SOX |
| 0.400                 | Lbs/MMBTU                          |                        | TSP |
| 101                   | AUTO. RACK PLATING LINE (LINE 1)   |                        |     |
| <b>Emission Limit</b> |                                    |                        |     |
| 0.020                 | GRAMS/CF                           |                        | TSP |
| 151                   | VAPOR DEGREASER 01 (BACK-UP)       |                        |     |
| <b>Emission Limit</b> |                                    |                        |     |
| 11.320                | Tons/Yr                            | 12-month rolling sum   | VOC |
| 152                   | VAPOR DEGREASER 02                 |                        |     |
| <b>Emission Limit</b> |                                    |                        |     |
| 2.080                 | Lbs/Hr                             |                        | VOC |
| 9.110                 | Tons/Yr                            | 12-month rolling sum   | VOC |
| 200                   | SURFACE COATING OPERATIONS         |                        |     |
| <b>Emission Limit</b> |                                    |                        |     |
| 12.000                | Tons/Yr                            | 12-month rolling basis | VOC |

**SECTION G. Emission Restriction Summary.**

| Source Id             | Source Descriptor                |                                                |     |
|-----------------------|----------------------------------|------------------------------------------------|-----|
| 300                   | CARBIDE TOOL MANUFACTURING       |                                                |     |
| <b>Emission Limit</b> |                                  | <b>Pollutant</b>                               |     |
| 0.040                 | gr/CF                            | dry standard conditions                        | TSP |
| 737                   | HEAT TREAT UNITS                 |                                                |     |
| <b>Emission Limit</b> |                                  | <b>Pollutant</b>                               |     |
| 500.000               | PPMV                             | dry standard conditions                        | SOX |
| 0.040                 | gr/CF                            | dry standard conditions                        | TSP |
| 2.700                 | Tons/Yr                          | any consecutive 12-month period                | VOC |
| 3.000                 | Lbs/Hr                           |                                                | VOC |
| 15.000                | Lbs/Day                          |                                                | VOC |
| 738                   | DIESEL FIRE PUMP                 |                                                |     |
| <b>Emission Limit</b> |                                  | <b>Pollutant</b>                               |     |
| 500.000               | PPMV                             | dry standard conditions                        | SOX |
| 0.040                 | gr/CF                            | dry standard conditions                        | TSP |
| 739                   | EMERGENCY GENERATORS (7 TOTAL)   |                                                |     |
| <b>Emission Limit</b> |                                  | <b>Pollutant</b>                               |     |
| 2.750                 | Tons                             | during the ozone season (May 1 - September 30) | NOX |
| 6.600                 | Tons/Yr                          | 12-month rolling basis                         | NOX |
| 100.000               | Lbs/Hr                           |                                                | NOX |
| 1,000.000             | Lbs/Day                          |                                                | NOX |
| 500.000               | PPMV                             | dry standard conditions                        | SOX |
| 0.040                 | gr/CF                            | dry standard conditions                        | TSP |
| 900                   | MISCELLANEOUS FUGITIVE EMISSIONS |                                                |     |
| <b>Emission Limit</b> |                                  | <b>Pollutant</b>                               |     |
| 1.000                 | Tons/Yr                          |                                                | VOC |
| 3.100                 | Lbs/Hr                           |                                                | VOC |
| 15.000                | Lbs/Day                          |                                                | VOC |

**Site Emission Restriction Summary**

| Emission Limit |         | Pollutant                |
|----------------|---------|--------------------------|
| 24.900         | Tons/Yr | NOX                      |
| 24.900         | Tons/Yr | VOC                      |
| 24.900         | Tons/Yr | any combination HAP      |
| 9.900          | Tons/Yr | any single HAP           |
|                |         | Hazardous Air Pollutants |
|                |         | Hazardous Air Pollutants |



**SECTION G. Emission Restriction Summary.**

**SECTION H. Miscellaneous.**

(1). RACT Permit OP-46-0032 and operating permits 46-319-001, 46-323-004, 46-323-002, 46-399-013, 46-323-006, and 46-399-074 serve as a basis for certain conditions in this Title V Permit.

(2). SOURCES OF MINOR SIGNIFICANCE

The following summary describes the air emission sources at SPS Technologies Aerospace Products Division that are deemed of minor significance, and also presents the rationale for classification as being of minor significance.

(a). Wastewater Treatment: Wastewater treatment processes conducted at the facility consists of metals precipitation followed by pH adjustment prior to effluent discharge, and sludge removal and dewatering in a filter press prior to offsite disposal. There are no significant air emissions associated with this treatment process.

(b). Etch Booths: Laboratory hoods are located throughout the facility where sample parts are etched with acid and viewed under high magnification for inspection for imperfections. The air emissions resulting from the use of small quantities of acid for this intermittent quality control procedure are minor and thus deemed trivial.

(c). Pan Washer: An automatic pan washer is used at the facility where a caustic cleaner is used in water to clean parts pans. The washer is also equipped with an electric dryer that exhausts through the facility roof.

(d). Drum Racks: Drum racks containing 55 gallon drums of cutting fluids, lubricants, coolants and other related machining fluids are located at selected facility locations. These fluids are of low vapor pressure, are stored in closed containers, and thus do not represent a significant source of air emissions.

(e). EDM Machines: EDM Machines use brass wire, distilled water electrolyte and a carbide electrode to precision cut steel and carbide dies immersed in the electrolyte. All three machines ultimately exhaust to the facility interior and do not represent air emission sources.

(f). R&D Machine Shop: The R&D Machine Shop conducts intermittent research and development activities involving machining activities and corrosion studies using a salt spray booth or salt dip tank.

(g). Materials Control Laboratory: Metallographic mounts are produced and inspected for quality control, parts are stress tested with enclosed rupture machines, and a salt spray chamber is used to verify corrosion resistance as specified by the customer.

(h). Tumbling Areas: There are multiple tumbling areas located at the facility. Because the materials used in these cleaning processes are wetted and the processes are not conducted at high speeds, the resulting PM emissions are negligible.

(i). Blast Room: The blast room contains several units which are equipped with dust collectors and are vented into the room.

(j). Silver Reclaim.

(k). Coating Operations (outside of coating room).

(l). Cutting and Sanding.

(m). Non-Destructive Testing (NDT) Area.

(n). Ramco Washer.

(o). Ipsen Washer.

(p). Machining Operations (vented into the room).

(q). Storage Tanks.

(r). Maintenance Cribs.

(s). Soldering Emissions.

(t). Nital Etch.

**SECTION H. Miscellaneous.**

- (u). Monarch Operations (vented into the room).
- (v). Aluminum Anodizing.
- (w). Plating Area Air Handling Units.
- (x). Coating Area Air Handling Unit.
- (3). This Title V Permit was revised on December 12, 2002 to address an appeal. Among the items that were changed was the frequency of monitoring and record keeping for the air handling units (Source ID Nos. 034 and 040), references to just calculating the VOC emissions for Source ID No. 037 were removed so that calculations for all limited pollutants will be recorded, hours of operation were removed from the scrubbers and replaced with a checkmark to indicate that the scrubber is on when plating begins, 25 Pa. Code Section 129.73 was added to Source ID No. 200, and Source ID Nos. 170, 301 and 400 were placed in the insignificant activity list.
- (4) This Title V Permit has been modified to address a modification requested by the permittee. The permittee requested raising the pressure drop across the scrubber throat to 3.0 inches of water. Sources 100 and 110 reflect this modification.
- (5). APS No. 345592; Authorization No. 602877 - This permit has been revised to incorporate the requirements of PA-46-0032B for a vapor degreaser subject to the requirements of 40 C.F.R. Section 63 Subpart T. The vapor degreaser complies with the requirements of 40 C.F.R. Section 63 Subpart T through the control combination of a freeboard ratio greater than 1.0, freeboard refrigeration, and superheated solvent vapor.
- (6). APS No. 345592; Authorization No. 640329 - Title V Permit Renewal - This permit has been revised to redesignate the heat treat units (Source ID No. 737) and the diesel fire pump (Source ID No. 738) as processes instead of combustion units; to add eight small emergency generators to the Title V Permit; to add a requirement to Section C for recording findings of facility-wide monitoring for odors, visible emissions, and fugitive particulate matter; to set the date for submittal of the compliance certification report to April 1 of each year for the previous calendar year and the semi-annual monitoring report for April 1 and October 1 of each year; to change the requirement for when the scrubber is required to be in operation for Source ID Nos. 100, 110, 120, and 130; to clarify that the sum of the total VOC emissions from Source ID No. 150 are to be recorded; and to correct the monitoring and recording of hours for the paint spray booths so that the hours during actual coating of the parts is accounted for. The air handling units in the plating area and coating area (Source ID Nos. 034 and 040) were determined to be insignificant and placed into the insignificant source list in Section G.
- (7). For the sources listed in paragraph (2) above, the permittee shall calculate and record the potential to emit for each criteria pollutant for each of the sources listed. The calculations should demonstrate that the sources will not exceed the limits in any regulation for the criteria pollutants, and the calculated emissions shall be included in the annual AIMS Inventory Report to the Department. The records are to be kept on file for a period of at least five (5) years and made available to the Department upon request.
- (8). APS No. 345592; Authorization No. 810610: The Title V Permit was amended to incorporate the conditions of plan approval 46-0032C for the Vapor Degreaser (Source ID No. 150). The incorporation of the plan approval was performed in accordance with the requirements of 25 Pa. Code Section 127.450.
- (9). This TVOP was amended to incorporate conditions of plan approval 46-0032D for automatic rack plating line 1, Source Id 101, controlled by existing scrubber system 1, Source Id C100. The incorporation of the plan approval was performed in accordance with the requirements of 25 Pa. Code Section 127.450. AUTH ID: 874765. September 21, 2011.
- (10). APS No. 345592; Authorization No. 925587 - July 31, 2013 - Title V Permit Renewal -
- (a) This permit has been revised to remove Vapor Degreaser Source Id 150, as the permittee ceased the operation of this source.
- (b) The associated regulation for facility's 7 emergency generators has been incorporated, including 40 CFR Part 63 Subpart ZZZZ.
- (c) Boiler MACT regulations has been incorporated for two boilers APS No: 708693, AUTH No: 816068.
- (d) Plan Approval No. 46-0032G for the n-propylbromide degreaser Source Id 151, was incorporated into the TVOP, APS No: 345592, AUTH No: 966979.
- (e) Pound per hour emission limit for Source 130 were removed as those limits were based on the potential process emissions and the actual emissions from Source 101, larger plating line, are below the pound per hour emission limit for Source 130.



**SECTION H. Miscellaneous.**

(11) APS No. 345592; Authorization No. 1015419 - March 2014 - Title V Permit Amendment to change the name of the responsible official from M Reed, Vice President/General Manager to Paul Dolan, General Manager.

(12) APS No.872882; Authorization No. 1080999 - August 4, 2015 - Title V minor modification for the HAP emission limit at an existing facility and statements that boilers (sources 030 and 039) are not subject to 40 CFR Part 63 Subpart DDDDD and 40 CFR Part 63 Subpart JJJJJJ.

(13) APS No. 872882; Authorization No. 1076923 - August 4, 2015 - Administrative amendment to change the name of the responsible official from Paul Dolan, General Manager to Scott Wood, Director of Operations.

(14) APS No. 872882; Authorization No. 1145064 - July 22, 2016 - Administrative amendment to change the name of the responsible official from Bill Comeau, General Manager to Blake Ray VP & General Manager.

(15) APS: 892882, AUTH: 1207734. October 2019. Permit Renewal. No changes to any permitted sources or applicable regulations. Permit Contact changed from Blake Ray to Paul Vincent and the Responsible Official changed from Yaphet Latoison to Jeffrey Coleman.

(16) APS: 872882, AUTH: 1318805. August 2020. Minor Modification. The following changes, to Source ID 151, have been made to the permit in this modification:

- (a) The allowable solvent has been changed from nPB to 3M Novec 73DE Engineered Fluid.
- (b) The maximum temperature of air blanket has been reduced from 48 °F to 35.3 °F
- (c) The minimum temperature of superheated vapor zone has been reduced from 170 °F to 127.7 °F.
- (d) In accordance with 25 Pa. Code 129.63(b)(1)(i) the following statement has been added: If the solvent cleaning machine opening is greater than 10 square feet, the cover shall be powered.
- (e) The malfunction reporting requirements have been updated in Section C.
- (f) 25 Pa. Code 135.3 Source Reporting has been moved to Section B.
- (g) Source ID 101 returned to the permit, it was unintentionally removed from the permit during the October 21, 2019 renewal.
- (h) The requirement to test the viscosity of the fuel oil in Sources 030 and 039 have been removed.
- (i) Added Tuneup Record Keeping requirements for Source 039 and Tuneup procedure requirement for Source 030.
- (j) Added Testing requirements in accordance with 25 Pa. Code §§ 127.441, 127.511, 129.52 and 40 CFR Part 60, Appendix A to Source ID 200.
- (k) Removed the ability to burn #4 and/or #5 fuel oil from Source IDs: 030 & 039.

\*\*\*\*\* November 2020 \*\*\*\*\*

17) APS: 872882, AUTH: 1325753; Change of Status from TVOP to SOOP

- (a) Reduced fuel sulfur limitations in accordance with 25 Pa. Code 123.22(e)(2)(i) for Source IDs 030 & 039.
- (b) Returned Air Handling Units (Source IDs: 034 & 040 to section D of the permit with limited annual natural gas usage,
- (c) Added new minimum scrubber liquid flow rate to Source ID 130,
- (d) Added the two dry film lubricant booths to Source ID 200,
- (e) Removed 25 Pa. Code 1279.73 and 40 CFR Part 63 Subpart GG and added 25 Pa. Code 129.52(b)&(h) requirements to Source ID 200,

The following changes are based upon values in the application:

- (f) Added Heat Input and NOx emission limits of 24,000 mmBtu/yr and 1.72 tpy respectively for Source ID 030,
- (g) Added Heat Input limit of 177,390 mmBtu/yr and reduced NOx emission limit from 25.0 tpy to 12.73 tpy for Source ID 039,
- (h) Reduced VOC emission limits from 16.0 tpy to 12.0 tpy and limited surface coating volume to 3,700 gal/yr for Source ID 200,
- (i) Added maximum propane usage of 271,000 gallons per year to Source ID 737,
- (j) Added maximum operating hours limit of 500 hours per year to Source ID 738,
- (k) Added maximum operating hours limit of 500 hours per year to Source ID 739,
- (l) Reduced VOC emission limits from 2.7 tpy to 1.0 tpy for Source ID 900,
- (m) Added 25 tpy facility wide VOC and NOx emission limits
- (n) Sources 101 and 110 added to the group containing Sources 100 and 120.

\*\*\*\*\* February 2021 \*\*\*\*\*

18) APS: 872882, AUTH: 1340346; Address second set of comments for Change of Status from TVOP to SOOP

- (a) Removed VOC content requirements listed in Table I of 25 PA Code 129.52 from Source ID 200
- (b) Removed 25 Pa. Code 127.73 requirement from Source ID 200
- (c) For the two exempt, dry film lubricant booths in Source ID 200:
  - 1) removed the 5,400 hr/yr operating hours limitation,
  - 2) limit VOC emissions to 2.0 tpy, and
  - 3) limit the maximum VOC content to 7.3 lbs/gallon.





**SECTION H. Miscellaneous.**

(d) Added 40 CFR Part 60, Subpart Dc reporting requirements to Source ID: 039

\*\*\*\*\* July 2022 \*\*\*\*\*

19) APS: 872882, AUTH: 1399101; Incorporation of Plan Approval 46-0032H for a new vapor degreaser and designations of Source ID 151 as a backup degreaser.



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

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