



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

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: July 8, 2024

Effective Date: July 8, 2024

Expiration Date: July 7, 2029

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

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

State Only Permit No: 17-00066

Synthetic Minor

Federal Tax Id - Plant Code: 26-3748750-1

Owner Information

Name: FORUM US INC

Mailing Address: 1102 INDUSTRIAL PARK RD
CLEARFIELD, PA 16830-6020

Plant Information

Plant: FORUM US INC/CLEARFIELD PLT

Location: 17 Clearfield County

17935 Lawrence Township

SIC Code: 3533 Manufacturing - Oil And Gas Field Machinery

Responsible Official

Name: BRIAN BOWSER

Title: PLANT MANAGER

Phone: (814) 952 - 8046

Email: Brian.Bowser@f-e-t.com

Permit Contact Person

Name: BRANDON LITTLE

Title: HSE SPECIALIST

Phone: (814) 290 - 4372

Email: Brandon.Little@f-e-t.com

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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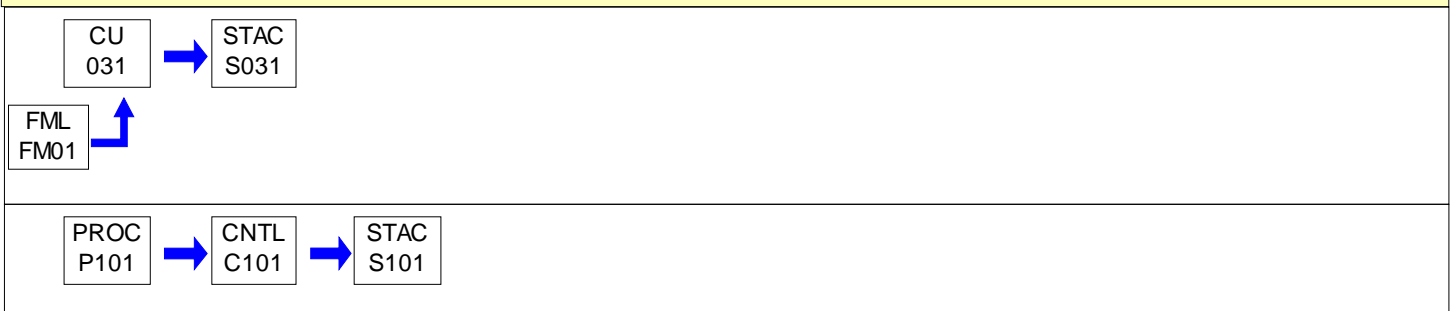
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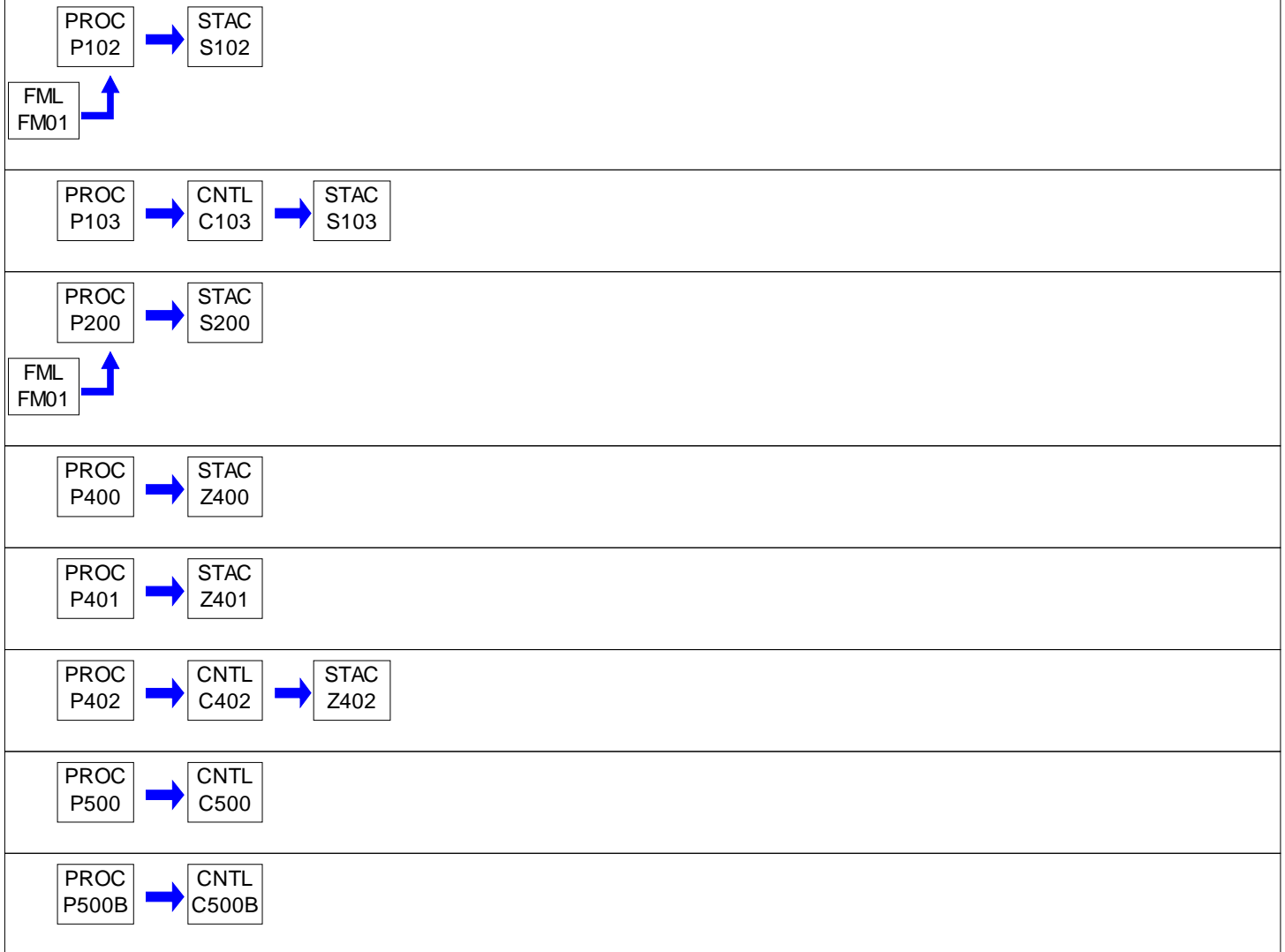
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	SPACE HEATERS	5.500 MCF/HR	Natural Gas
P101	PAINT BOOTH	3.520 Gal/HR	PAINTS
P101B	PAINT BOOTH	3.520 Gal/HR	PAINTS
P102	DIRECT FIRED GAS HEATED AIR MAKE-UP UNIT	2.500 MMBTU/HR	
		2.380 MCF/HR	Natural Gas
P102B	DIRECT FIRED GAS HEATED AIR MAKE-UP UNIT	2.500 MMBTU/HR	
		2.380 MCF/HR	Natural Gas
P103	FLOWLINE PAINT BOOTH		
P200	STRESS RELIEF OVEN	14.300 MCF/HR	Natural Gas
P400	MIG & TIG WELDING STATIONS	0.440 TH LBS/HR	
P401	SUBMERGED PLASMA ARC CUTTER AND WELDERS	0.001 TH LBS/HR	
P402	HYPERTHERM PLASMA PIPE CUTTER		
P500	ABRASIVE BLAST BOOTH	N/A	
P500B	DRY ABRASIVE BLASTING BOOTH	N/A	
C101	PANEL FILTER		
C101B	OVERSPRAY PANEL FILTERS		
C103	PAINT BOOTH FILTERS		
C402	SIDEROS COLLECTOR		
C500	BLASTING BOOTH DUST COLLECTOR		
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FM01	NATURAL GAS LINE		
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PERMIT MAPS



PERMIT MAPS



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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified above in condition #001(a)(1) - (6), if the emissions are visible at the point the emissions pass outside the person's property.

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

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

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

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

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

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

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

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

Xylenes emitted from all of the facility wide sources shall not exceed 9.9 tons in any 12 consecutive month period.

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

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

(a) Each as applied miscellaneous metal part coating used by the permittee shall comply with the applicable VOC content limit in Table I of 25 Pa. Code Section 129.52d.

(b) Effective January 1, 2017, pursuant to 25 Pa. Code Section 129.52d(d)(1), the permittee shall only use the coatings on miscellaneous metal parts productions that are compliant with the above requirements on an "As Applied" basis.

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

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

(a) The maximum combined total volume of International GTA056 and International GTA220 used as cleaning solvents in any 12 consecutive month period (CMP) by the permittee shall not exceed 500 gallons/12 CMP, based on as supplied manufacturer's formulation data. The maximum HAP content, expressed as percentage by weight, in the above cleaning solvents shall not exceed 3.1%.

(b) Any change in the HAP solvents, cleaning solutions, etc. used at this facility shall be approved by the Department prior to use.

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

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements**

Department of Environmental Protection.

(g) Pursuant to 25 Pa. Code § 139.53(a)(1) and 139.53(a)(3), electronic copies of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager, with deadlines verified. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. Email addresses are provided on the PA DEP website.

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

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

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

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

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

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

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

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

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

**SECTION C. Site Level Requirements****III. MONITORING REQUIREMENTS.****# 012 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

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

The permittee shall conduct an inspection of the facility once per every calendar week, at least, while the facility is in operation. Weekly inspections shall be conducted during daylight to detect for the presence of visible emissions, visible fugitive emissions and malodors. All visible emissions, visible fugitive emissions, or malodors that are detected shall be reported to the manager of the facility, at once.

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

The permittee shall monitor and keep records on a daily basis of the identity and volume used of the cleaning and other solvents authorized herein to determine and track the monthly total facility wide VOC and HAP emissions using mass balance calculations to verify compliance.

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

The permittee shall obtain and maintain records of the current, valid purchase contract, tariff sheet, or transportation contract from the natural gas supplier that certify all the natural gas supplied to the facility meets pipeline quality specifications, as well as the facility wide (total) natural gas consumption on a monthly and yearly basis.

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

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

- (a) The permittee shall generate accurate and comprehensive records on a monthly basis at least sufficient to demonstrate to the Department that all sources emitted xylenes on a combined facility wide total basis less than the site level HAP emission limit herein.
- (b) The records including the supporting background information used to derive the reported values shall be kept for a period of five (5) years, at least.

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

The permittee shall maintain records of each weekly inspection for the presence of visible emissions, visible fugitive emissions and malodors from the facility, as well as the date and time of each inspection and the facility representative that conducted each inspection. If the presence of visible emission, visible fugitive emissions or malodors is detected, the permittee shall also record the corrective action(s) taken to abate the occurrence and/or prevent future ones.

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

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

The permittee shall maintain monthly records of the following information for each misc. metal part coating, cleaning and other solvents in use:

- (A) Name and identification number of the cleaning solvent.
- (B) Volume used in each calendar month.

**SECTION C. Site Level Requirements**

(C) Density or specific gravity.

(D) Weight percent of total volatiles, water, and exempt solvents.

(E) Mass balance VOC emissions calculations for all the coatings, cleaning materials and other solvents used by the permittee on a calendar month and 12-month rolling basis, including the supporting data, intermediate calculations and other background information used to derive the reported values.

(F) Mass balance individual HAP emissions calculations for all the coatings, cleaning materials and other solvents used by the permittee on a calendar month and 12-month rolling basis, including the supporting data, intermediate calculations and other background information used to derive the reported values.

(G) Mass balance total HAP emissions calculations for all the coatings, cleaning materials and other solvents used by the permittee on a calendar month and 12-month rolling basis, including the supporting data, intermediate calculations and other background information used to derive the reported values.

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

All records as required herein shall be retained for at least five years and shall be made available to the Department upon request.

020 [25 Pa. Code §135.5]**Recordkeeping**

Source owners or operators shall maintain and make available upon request by the Department records including computerized records that may be necessary to comply with 25 Pa. Code section 135.3 (relating to reporting). These include, but may not be limited to, 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.

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

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

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

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

(A) The permittee shall submit semi-annual reports to the Department of the following:

- (i) Name and identification number of all the misc. metal part coatings, cleaning solutions and other solvents in use.
- (ii) Volumes used in each calendar month.
- (iii) Density or specific gravity.
- (iv) Weight percent of total volatiles, water, solids and exempt solvents

(v) Mass balance VOC emissions calculations for all the coatings, cleaning materials and other solvents consumed on a calendar month and 12-month rolling basis, including the supporting data, intermediate calculations and other background information used to derive the reported values.

(vi) Mass balance individual HAP emissions calculations for all the coatings, cleaning materials and other solvents consumed on a calendar month and 12-month rolling basis, including the supporting data, intermediate calculations and other background information used to derive the reported values.

**SECTION C. Site Level Requirements**

(vii) Mass balance total HAP emissions calculations for all the coatings, cleaning materials and other solvents consumed on a calendar month and 12-month rolling basis, including the supporting data, intermediate calculations and other background information used to derive the reported values.

(B) The semi-annual reports shall be submitted by March 1 for the reporting period from July 1 through December 31 of the previous year and by September 1 for the reporting period from January 1 through June 30 of the concurrent year.

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

Pursuant to 40 CFR Sections 60.4 and 63.13, the submission of all requests, reports, applications, submittals, and other communications required by 40 CFR Parts 60 or 63 shall be submitted to both the U.S. Environmental Protection Agency and the Department. The US EPA copies may be sent to the address below unless otherwise required to be submitted into US EPA's CEDRI or other electronic database by the underlying reporting requirement in lieu of hard-copies:

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (3ED21)
Four Penn Center
1600 John F. Kennedy Boulevard
Philadelphia, PA 19103-2852

024 [25 Pa. Code §127.442]**Reporting requirements.**

[Authority is also derived from 25 Pa. Code Section 127.441]

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

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

(c) The report shall describe the following:

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

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

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

**SECTION C. Site Level Requirements**

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

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

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

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

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

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

(3) Paving and maintenance of roadways.

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

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

[Authority for this permit condition is also derived from 25 Pa. Code sections 127.1 and 127.12, and 40 CFR section 63.11516]

The permittee shall conduct all spray-applied painting of miscellaneous metal parts in either Source ID P101, P101B or P103 to reasonably assure that this activity is performed inside a booth which is ventilated such that air is drawn into the booth and leaves only through filters that achieve at least 98 percent capture of emissions (overspray) per the emission specifications as provided by the permittee. Spray-applied painting is prohibited unless the activity is performed inside one of the booths, above. This condition does not apply to certain trivial activities which are excluded per 40 CFR section 63.11522.

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

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

Under no circumstances shall waste coating, solvent or other VOC-containing materials, such as used solvent-laden rags, be treated in a manner that would intentionally promote the evaporative loss of solvent.

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

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

The permittee shall comply with the following work practices for cleaning materials and solvents:

(1) Store all VOC-containing cleaning materials (e.g. used shop towels) and solvents in closed containers.

(2) Ensure that mixing vessels and storage containers used for VOC-containing cleaning materials and solvents are kept closed at all times except when depositing or removing any of these.

**SECTION C. Site Level Requirements**

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

VII. ADDITIONAL REQUIREMENTS.**# 029 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

030 [25 Pa. Code §123.31]**Limitations**

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

031 [25 Pa. Code §129.14]**Open burning operations**

No person may permit the open burning of material at this facility.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

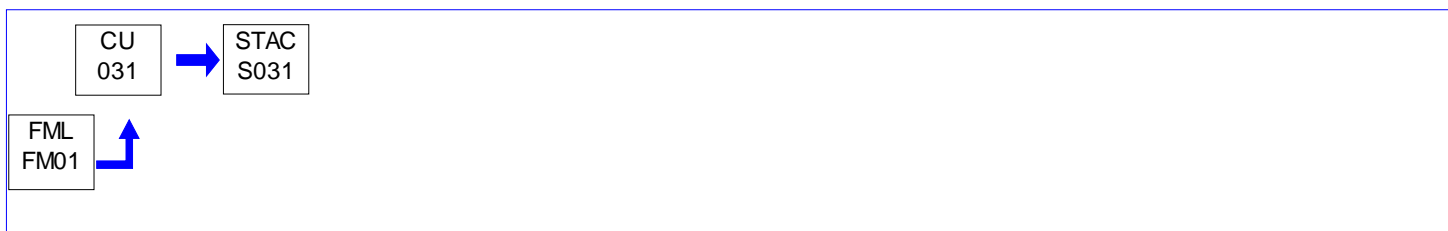
Source ID: 031

Source Name: SPACE HEATERS

Source Capacity/Throughput:

5.500 MCF/HR

Natural Gas

**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 SO₂, from each exhaust associated with Source ID 031 in excess of the rate of 4 pounds per million Btu of heat input over any one hour period in accordance with 25 Pa. Code Section 123.22(a)(1).

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID 031 shall only be fired on natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source ID 031 consists of the following natural gas fired combustion units:

- (a) 59 Dayton air handling units each rated at 80,000 BTU/hr
- (b) 2 Armstrong Air Tech units rated at 120,000 BTU/hr
- (c) 1 Air Ease Ultra model SX89 heater rated at 100,000 BTU/hr
- (d) 1 Carrier heater rated at 74,000 BTU/hr.

**SECTION D. Source Level Requirements**

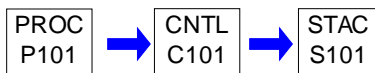
Source ID: P101

Source Name: PAINT BOOTH

Source Capacity/Throughput:

3.520 Gal/HR

PAINTS

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

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

The HAP content of all coatings consumed by the surface coating operation associated with Source ID P101 shall not exceed 1.4 lb HAP / gal coating, as applied, and based on a 12-month rolling average.

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

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

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from Source ID P101 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.01 grains per dry standard cubic foot.

[Compliance with this permit condition assures compliance with the provisions of 25 Pa. Code section 123.13]

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

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

(a) The volatile organic compounds (VOCs) emitted from all of the coatings, thinners and other coating-related solvent components consumed by the surface coating operation associated with Source ID P101, on a combined total basis, shall not exceed 15.75 tons in any 12 consecutive month period.

(b) The hazardous air pollutants (HAPs) emitted from all of the coatings, thinners and other coating-related solvent components consumed by the surface coating operation associated with Source ID P101, on a combined total basis, shall not exceed 6.30 tons in any 12 consecutive month period.

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

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

(a) The permittee shall prohibit use of a miscellaneous metal part coating in the Source ID P101 surface coating operation unless the coating, on an as applied basis, meets one of the following limits, expressed as 'Weight of VOC per Volume of Coating, Less Water and Exempt Compounds, as Applied', in accordance with 25 Pa. Code sections 129.52d(d)(4) and (5):

2.8 pound (lb) VOC / gallon (gal) coating for general purpose coatings including one-component and multicomponent coatings, or

3.5 lb VOC / gal coating for extreme high-gloss, extreme performance and heat-resistant coatings

(b) The VOC content of each as applied coating, expressed as 'Weight of VOC per Volume of Coating, Less Water and Exempt Compounds, as Applied', shall be calculated according to the following equation to account for all the added organic dilution solvent and to verify that each coating meets the applicable VOC content limit, above, As Applied.

**SECTION D. Source Level Requirements**

$$(VOC)_a = [(VOC)_s + (V)t / (V)s * (D)t] / [1 + (V)t / (V)s]$$

Where:

(VOC)_a = "As Applied" VOC Content of the Coating, in units of lb VOC / gal coating.

(VOC)_s = "As Supplied" VOC Content of the Coating, in units of lb VOC / gal coating.

(V)_t = Volume used, in units of gal, of any added organic dilution solvent (thinner), and if applicable, on a cumulative basis.

(V)_s = Volume used, in units of gal, of the coating prior to being diluted for the job at-hand

(D)_t = Density of the organic dilution solvent added, at 25°C, in units of lb / gal thinner.

If a dilution solvent contains only water or exempt solvents then "As Supplied" VOC Content is equal to "As Applied" VOC Content. Also, the equation above only applies to a coating that the permittee dilutes with only one (1) type of dilution solvent containing 100% VOCs, i.e. one (1) organic dilution solvent.

For any coatings that will be diluted with a mixture of organic dilution solvents, the permittee shall, prior to use, notify and provide supporting information for Department approval, to determine compliance with each applicable as applied coating VOC content limit in accordance with 25 Pa. Code section 129.52d(k).

Throughput Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall use no more than 9,000 gallons of coatings in the Source ID P101 surface coating operation in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor and keep records on a daily basis of the volume used and the identity of paint coatings, expressed as gal undiluted coating, or, if applicable, gal diluted coating from paint storage, the volumes of organic dilution solvent (thinner) added and left-over waste that is shipped to proper off-site disposal facilities, as applicable, to determine the VOC and HAP emissions in any calendar month and 12 consecutive month period, from the Source ID P101 surface coating operation, using mass balance calculations, on a monthly basis.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

Source ID P101 shall be equipped with instrumentation to continuously monitor the differential pressure across the overspray panel filters (ID C101).

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

A differential pressure reading shall be taken and recorded at least once every work day, while Source ID P101 is operating.

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

The permittee shall maintain records of employee training certification for use of Airless, HVLP or other high transfer efficiency spray paint delivery methods as detailed in 40 CFR section 63.11519(c)(8).

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

[Authority for this permit condition is also derived from 25 Pa. Code sections 127.12 and 129.52d(f)]

(a) The permittee shall generate on a monthly basis, at least, and keep accurate and comprehensive records sufficient to show that each application of a coating used in the Source ID P101 surface coating operation, except as provided for under 25 Pa. Code section 127.52d(h)(1), meets the VOC and HAP content and annual total limits on the Source ID P101 surface coating operation as specified under the Emission Restrictions section above. The monthly records shall at a minimum include the following information:

(i) Name and identification number of each coating used in the previous calendar month as well as the mix ratio by volume, if multicomponent coating;

(ii) Volume used in the previous calendar month of each as supplied coating (gal undiluted coating).

(iii) VOC content of each coating, as supplied, in units of lb VOC per gal undiluted coating, as well as the manufacturer's formulation data including the "as supplied" density, weight percent of total volatiles, water, solids and exempt solvents, and volume percent of total volatiles, water and exempt solvents.

(iv) HAP content of each coating, as supplied, in units of lb HAP per gal undiluted coating, as well as the manufacturer's formulation data including the "as supplied" density and weight percent of each HAP constituent.

(v) Name of each dilution solvent added in the previous calendar month, on a per coating basis.

(vi) Total volume of dilution solvent added in the previous calendar month (gal organic dilution solvent), on a per coating basis, except for dilution solvents that contain only water or exempt compounds.

(vii) Monthly average VOC and HAP contents of each coating, as applied, in units of lb VOC/HAP per gal diluted coating, as well as the supporting data and intermediate calculations.

(viii) Volume used in previous calendar month of each as applied coating (gal diluted coating), as well as the supporting data and intermediate calculations.

(ix) Mass balance VOC emission calculations for all the coatings used in Source ID P101, on a calendar month and 12-month rolling basis, as well as the supporting data and intermediate calculations.

(x) Mass balance individual HAP emission calculations for all the coatings used in Source ID P101, on a calendar month and 12-month rolling basis, as well as the supporting data and intermediate calculations.

(xi) Mass balance total HAP emission calculations for all the coatings used in Source ID P101, on a calendar month and 12-month rolling basis, as well as the supporting data and intermediate calculations.

(b) The above records including the background info and calculations used to derive the reported values shall be kept for a period of five (5) years and in accordance with the other recordkeeping requirements in section B herein.

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

(a) The permittee shall submit semi-annual reports to the Department of the following:

(i) Name and identification number of each coating used in the reporting period as well as mix ratio by volume, if multicomponent coating;

(ii) Volume used in the months in the reporting period of each coating (gal undiluted coating).

(iii) VOC content of each coating, as supplied, in units of lb VOC per gal undiluted coating, as well as manufacturer's formulation data including the "as supplied" density, weight percent of total volatiles, water, solids and exempt solvents, and volume percent of total volatiles, water and exempt solvents.

(iv) HAP content of each coating, as supplied, in units of lb HAP per gal undiluted coating, as well as manufacturer's formulation data including the "as supplied" density and weight percent of each HAP constituent.

(v) Name of each dilution solvent added in the reporting period, on a per coating basis.

(vi) Total volume of dilution solvent added in the reporting period (gal organic dilution solvent), on a per coating basis, except for dilution solvents that contain only water or exempt compounds.

(vii) Monthly average VOC and HAP contents of each coating, as applied, in units of lb VOC/HAP per gal diluted coating,.

(viii) Volume used in the reporting period of each as applied coating used (gal diluted coating).

(ix) Mass balance VOC emission calculations for all the coatings used in Source ID P101, on a calendar month and 12-month rolling basis.

(x) Mass balance individual HAP emission calculations for all the coatings used in Source ID P101, on a calendar month and 12-month rolling basis.

(xi) Mass balance total HAP emission calculations for all the coatings used in Source ID P101, on a calendar month and 12-month rolling basis.

(b) The semi-annual reports shall be submitted by March 1 for the reporting period from July 1 through December 31 of the previous year and by September 1 for the reporting period from January 1 through June 30 of the concurrent year.

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

[Authority for this permit condition is also derived from 25 Pa. Code sections 127.1 and 127.12, and 40 CFR section 63.11516

All workers performing painting in Source ID P101 shall be certified that they have completed training in the proper spray application of paints (coatings) and the proper setup and maintenance of spray equipment, according to 40 CFR section 63.11516(d)(8). The minimum requirements for training and certification are described in paragraph (d)(6) of 40 CFR section 63.11516. The spray application of coating is prohibited by persons who are not certified as having completed the training described in paragraph (d)(6) of 40 CFR section 63.11516. The requirements of this paragraph do not apply to the students of an accredited painting training program who are under the direct supervision of an instructor who meets the requirements of this paragraph. The requirements of this paragraph do not apply to operators of robotic or automated painting operations.

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

All doors equipped on Source ID P101 shall be closed, latched and sealed, while spray-applied painting is occurring in

**SECTION D. Source Level Requirements**

Source ID P101.

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

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

The permittee shall maintain an adequate supply of spare overspray panel filters (ID C101) in order to change any filter in need of replacement.

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

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

The permittee shall comply with the following work practices for coating-related activities:

- (1) Store all VOC/HAP-containing paints, coatings, dilution solvents (thinners, reducers, etc.) and other coating-related materials (e.g. used shop towels) in closed containers.
- (2) Ensure that mixing and storage containers used for VOC/HAP-containing paints, coatings, thinners and other coating-related materials are kept closed at all times, except when depositing or removing any of these.
- (3) Minimize spills of VOC/HAP-containing paint, coatings, thinners, etc. and clean up spills immediately.
- (4) Convey VOC/HAP-containing paint, coatings, thinners and other coating-related materials from one location to another in closed containers or pipes.

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

[Authority for this permit condition is also derived from 25 Pa. Code sections 127.1 and 127.12, 25 Pa. Code section 129.52d and 40 CFR section 63.11516(d)(4)]

All cleaning of paint application, storage, mixing or conveying equipment for Source ID P101 shall be done by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent including paint residue is captured in closed containers.

Spray gun cleaning may be done, for example, by hand cleaning of parts of the disassembled gun in a container of solvent, by flushing solvent through the gun without atomizing the solvent and paint residue, or by using a fully enclosed spray gun washer. A combination of these non-atomizing methods may also be used. The use of solvent-laden rags to wipe down equipment is also acceptable as long as the rags are stored in closed containers after use.

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

Source ID P101 is subject to the National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories as codified in 40 CFR Part 63 Subpart XXXXXX. The permittee shall comply with all applicable requirements pertaining to Source ID P101, as specified in 40 CFR sections 63.11514 through 63.11523.

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

Source ID P101 is subject to control of VOC emissions from miscellaneous metal parts surface coating processes as codified in 25 Pa. Code section 129.52d. The permittee shall comply with all applicable requirements pertaining to Source ID P101, as specified in 25 Pa. Code section 129.52d.

**SECTION D. Source Level Requirements****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Source ID P101 is a Finishing Systems model # CDG-1814-PSB-54-B-CU standard pressurized cross flow paint spray booth. The booth is 18 foot wide by 14 feet high by 54 feet deep. Source ID P101 shall be equipped with Global Finishing model GFS Wave overspray panel filters (ID C101).

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

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

All paints, coatings, etc. used in Source ID P101 shall be applied through the proper use of Graco model XTR airless spray guns (or equivalent as determined by the Department).

**SECTION D. Source Level Requirements**

Source ID: P101B

Source Name: PAINT BOOTH

Source Capacity/Throughput:

3.520 Gal/HR

PAINTS

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

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

The permittee shall not permit the emission into the outdoor atmosphere of particulate matter from Source ID P101B in a manner that the concentration of particulate matter in the effluent gas exceeds 0.01 grains per dry standard cubic foot.

[Compliance with this permit condition assures compliance with the provisions of 25 Pa. Code section 123.13]

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

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

(a) The total combined volatile organic compounds (VOCs) emitted from all of the coatings, thinners and other coating-related solvent components consumed by the surface coating operation associated with Source ID P101B shall not exceed 15.75 tons in any 12 consecutive month period.

(b) The total combined hazardous air pollutants (HAPs) emitted from all of the coatings, thinners and other coating-related solvent components consumed by the surface coating operation associated with Source ID P101B shall not exceed 6.30 tons in any 12 consecutive month period.

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

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

(a) The permittee shall prohibit use of a miscellaneous metal part coating in the Source ID P101B surface coating operation unless the coating, on an as applied basis, meets one of the following limits, expressed as 'Weight of VOC per Volume of Coating, Less Water and Exempt Compounds, as Applied', in accordance with 25 Pa. Code sections 129.52d(d)(4) and (5):

2.8 pound (lb) VOC / gallon (gal) coating for general purpose coatings including one-component and multicomponent coatings, or

3.5 lb VOC / gal coating for extreme high-gloss, extreme performance and heat-resistant coatings

(b) The VOC content of each as applied coating, expressed as 'Weight of VOC per Volume of Coating, Less Water and Exempt Compounds, as Applied', shall be calculated according to the following equation to account for all the added organic dilution solvent and to verify that each coating meets the applicable VOC content limit, above, As Applied.

$$(VOC)a = [(VOC)s + (V)t / (V)s * (D)t] / [1 + (V)t / (V)s]$$

Where:

(VOC)a = "As Applied" VOC Content of the Coating, in units of lb VOC / gal coating.

(VOC)s = "As Supplied" VOC Content of the Coating, in units of lb VOC / gal coating.

(V)t = Volume used, in units of gal, of any added organic dilution solvent (thinner), and if applicable, on a cumulative basis.

(V)s = Volume used, in units of gal, of the coating prior to being diluted for the job at-hand

**SECTION D. Source Level Requirements**

(D)_t = Density of the organic dilution solvent added, at 25°C, in units of lb / gal thinner.

If a dilution solvent contains only water or exempt solvents then "As Supplied" VOC Content is equal to "As Applied" VOC Content. Also, the equation above only applies to a coating that the permittee dilutes with only one (1) type of dilution solvent containing 100% VOCs, i.e. one (1) organic dilution solvent.

For any coatings that will be diluted with a mixture of organic dilution solvents, the permittee shall, prior to use, notify and provide supporting information for Department approval, to determine compliance with each applicable as applied coating VOC content limit in accordance with 25 Pa. Code section 129.52d(k).

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

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

The HAP content of all coatings used in the Source ID P101B surface coating operation shall not exceed 1.4 lb HAP / gal coating, as applied, and based on a 12-month rolling average.

Throughput Restriction(s).**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

The permittee shall use no more than 9,000 gallons of coatings in the Source ID P101B surface coating operation in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

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

The permittee shall monitor and keep records on a daily basis of the volume used and the identity of paint coatings, expressed as gal undiluted coating, or, if applicable, gal diluted coating from paint storage, the volumes of organic dilution solvent (thinner) added and left-over waste that is shipped to proper off-site disposal facilities, as applicable, to determine the VOC and HAP emissions in any calendar month and 12 consecutive month period, from the Source ID P101B surface coating operation, using mass balance calculations, on a monthly basis.

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

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

Source ID P101B shall be equipped with instrumentation to continuously monitor the differential pressure across the overspray panel filters (ID C101B).

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

The permittee shall maintain records of employee training certification for use of Airless, HVLP or other high transfer efficiency spray paint delivery methods as detailed in 40 CFR section 63.11519(c)(8).

**SECTION D. Source Level Requirements****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

A differential pressure reading shall be taken and recorded at least once every work day, while Source ID P101B is operating.

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

[Authority for this permit condition is also derived from 25 Pa. Code sections 127.12 and 129.52d(f)]

(a) The permittee shall generate on a monthly basis, at least, and keep accurate and comprehensive records sufficient to show that each application of a coating used in the Source ID P101B surface coating operation, except as provided for under 25 Pa. Code section 127.52d(h)(1), meets the VOC and HAP content and annual total limits on the Source ID P101B surface coating operation as specified under the Emission Restrictions section above. The monthly records shall at a minimum include the following information:

(i) Name and identification number of each coating used in the previous calendar month as well as mix ratio by volume, if multicomponent coating;

(ii) Volume used in the previous calendar month of each as supplied coating (gal undiluted coating).

(iii) VOC content of each coating, as supplied, in units of lb VOC per gal undiluted coating, as well as manufacturer's formulation data including the "as supplied" density, weight percent of total volatiles, water, solids and exempt solvents, and volume percent of total volatiles, water and exempt solvents.

(iv) HAP content of each coating, as supplied, in units of lb HAP per gal undiluted coating, as well as manufacturer's formulation data including the "as supplied" density and weight percent of each HAP constituent.

(v) Name of each dilution solvent added in the previous calendar month, on a per coating basis.

(vi) Total volume of dilution solvent added in the previous calendar month (gal organic dilution solvent), on a per coating basis, except for dilution solvents that contain only water or exempt compounds.

(vii) Monthly average VOC and HAP contents of each coating, as applied, in units of lb VOC/HAP per gal diluted coating, as well as supporting data and intermediate calculations.

(viii) Volume used in previous calendar month of each as applied coating (gal diluted coating), as well as supporting data and intermediate calculations.

(ix) Mass balance VOC emission calculations for all the coatings used in Source ID P101B, on a calendar month and 12-month rolling basis, as well as supporting data and intermediate calculations.

(x) Mass balance Xylenes emission calculations for all the coatings used in Source ID P101B, on a calendar month and 12-month rolling basis, as well as supporting data and intermediate calculations.

(xi) Mass balance total HAP emission calculations for all the coatings used in Source ID P101B, on a calendar month and 12-month rolling basis, as well as supporting data and intermediate calculations.

(b) The above records including the background info and calculations used to derive the reported values shall be kept for a period of five (5) years and in accordance with the other recordkeeping requirements in section B herein.

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

(a) The permittee shall submit semi-annual reports to the Department of the following:

(i) Name and identification number of each coating used in the reporting period as well as mix ratio by volume, if multicomponent coating;

(ii) Volume used in the months in the reporting period of each coating (gal undiluted coating).

(iii) VOC content of each coating, as supplied, in units of lb VOC per gal undiluted coating, as well as manufacturer's formulation data including the "as supplied" density, weight percent of total volatiles, water, solids and exempt solvents, and volume percent of total volatiles, water and exempt solvents.

(iv) HAP content of each coating, as supplied, in units of lb HAP per gal undiluted coating, as well as manufacturer's formulation data including the "as supplied" density and weight percent of each HAP constituent.

(v) Name of each dilution solvent added in the reporting period, on a per coating basis.

(vi) Total volume of dilution solvent added in the reporting period (gal organic dilution solvent), on a per coating basis, except for dilution solvents that contain only water or exempt compounds.

(vii) Monthly average VOC and HAP contents of each coating, as applied, in units of lb VOC/HAP per gal diluted coating,.

(viii) Volume used in the reporting period of each as applied coating used (gal diluted coating).

(ix) Mass balance VOC emission calculations for all the coatings used in Source ID P101B, on a calendar month and 12-month rolling basis.

(x) Mass balance Xylenes emission calculations for all the coatings used in Source ID P101B, on a calendar month and 12-month rolling basis.

(xi) Mass balance total HAP emission calculations for all the coatings used in Source ID P101B, on a calendar month and 12-month rolling basis.

(b) The semi-annual reports shall be submitted by March 1 for the reporting period from July 1 through December 31 of the previous year and by September 1 for the reporting period from January 1 through June 30 of the concurrent year.

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

[Authority for this permit condition is also derived from 25 Pa. Code sections 127.1 and 127.12, and 40 CFR section 63.11516

All workers performing painting in Source ID P101B shall be certified that they have completed training in the proper spray application of paints (coatings) and the proper setup and maintenance of spray equipment, according to 40 CFR section 63.11516(d)(8). The minimum requirements for training and certification are described in paragraph (d)(6) of 40 CFR section 63.11516. The spray application of coating is prohibited by persons who are not certified as having completed the training described in paragraph (d)(6) of 40 CFR section 63.11516. The requirements of this paragraph do not apply to the students of an accredited painting training program who are under the direct supervision of an instructor who meets the requirements of this paragraph. The requirements of this paragraph do not apply to operators of robotic or automated painting operations.

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

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

**SECTION D. Source Level Requirements**

All doors equipped on Source ID P101B shall be closed, latched and sealed, while spray-applied painting is occurring in Source ID P101B.

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

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

The permittee shall maintain an adequate supply of spare overspray panel filters (ID C101B) in order to change any filter in need of replacement.

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

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

The permittee shall comply with the following work practices for coating-related activities:

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

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

[Authority for this permit condition is also derived from 25 Pa. Code sections 127.1 and 127.12, 25 Pa. Code section 129.52d and 40 CFR section 63.11516(d)(4)]

All cleaning of application, storage, mixing or conveying equipment for Source ID P101B shall be done by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent including paint residue is captured in closed containers.

Spray gun cleaning may be done, for example, by hand cleaning of parts of the disassembled gun in a container of solvent, by flushing solvent through the gun without atomizing the solvent and paint residue, or by using a fully enclosed spray gun washer. A combination of these non-atomizing methods may also be used. The use of solvent-laden rags to wipe down equipment is also acceptable as long as the rags are stored in closed containers after use.

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

Source ID P101B is subject to the National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories as codified in 40 CFR Part 63 Subpart XXXXXX. The permittee shall comply with all applicable requirements pertaining to Source ID P101B, as specified in 40 CFR sections 63.11514 through 63.11523.

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

Source ID P101B is subject to the Control of VOC emissions from miscellaneous metal parts surface coating processes, miscellaneous plastic parts surface coating processes and pleasure craft surface coatings as codified in 25 Pa. Code

**SECTION D. Source Level Requirements**

section 129.52d. The permittee shall comply with all applicable requirements pertaining to Source ID P101B, as specified in 25 Pa. Code section 129.52d.

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

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

Source ID P101B is a Finishing Systems/GFS Model #LECDG-1814PDT-54-BB pressurized cross flow paint spray booth. The booth is 18 foot wide by 14 feet high by 54 feet deep. Source ID P101B shall be equipped with overspray panel filters, Global Finishing Solutions, PA 5 Cardline 1.5 oz (or equivalent as determined by the Department), at all times Source ID P101B is operating.

The overspray panel filters (ID C101B) shall remove air contaminant emissions that result from paint coating overspray in Source ID P101B by at least 98%. ID C101B shall be installed and maintained according to manufacturer's specifications and good air pollution control practices.

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

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

All coatings used in Source ID P101B shall be applied through the proper use of Graco model XTR airless spray guns (or equivalent as determined by the Department).

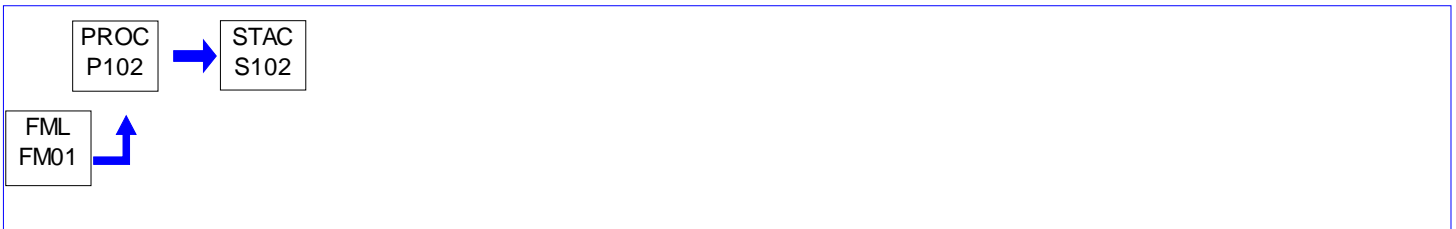
**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: DIRECT FIRED GAS HEATED AIR MAKE-UP UNIT

Source Capacity/Throughput: 2.500 MMBTU/HR

2.380 MCF/HR Natural Gas

**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 the exhaust associated with Source ID P102 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P102 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, on a dry basis.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The carbon monoxide (CO) and nitrogen oxides (NO_x) emissions from Source ID P102 shall not exceed 0.4 lbs/hr and 0.92 lbs/hr, respectively.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

Source ID P102 shall only be fired on natural gas.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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



SECTION D. Source Level Requirements

The permittee shall generate and keep record of the supporting information and calculations for Source ID P102 that verify the source is operating in compliance with each of the applicable particulate matter, sulfur oxide, carbon monoxide and nitrogen oxide emissions limitations as specified above under the Emission Restrictions section above. These records shall be made available to the Department upon request and maintained in accordance with the other recordkeeping requirements in section B herein.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P102 is an air make-up unit (GFS Model CFA-30) that is designed and operated to accelerate curing of metal products coated in Source ID P101.

Source ID P102 was previously referenced as Curing Oven in State Only Permit No: 17-00066, issued February 13, 2013. The name change was not due to any physical change or change in method of operation to Source ID P102. Rather, the new name is the manufacturer description to clarify that the coated part is "cured" inside Source ID P101 as Source ID P102 operates to heat booth intake air to a temperature of approximately 160 degrees Fahrenheit. The heated booth intake air is then vented through Source ID P101 containing the part being cured.

**SECTION D. Source Level Requirements**

Source ID: P102B

Source Name: DIRECT FIRED GAS HEATED AIR MAKE-UP UNIT

Source Capacity/Throughput:

2.500 MMBTU/HR

2.380 MCF/HR

Natural Gas

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 the exhaust associated with Source ID P102B in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P102B in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, on a dry basis.

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

[Authority for this permit condition is also derived from the Best Available Technology requirements of 25 Pa. Code sections 127.1 and 127.12]

Emissions of carbon monoxide (CO) and nitrogen oxides, NO_x expressed as NO₂, into the outdoor atmosphere from operation of Source ID P102B shall not exceed 0.40 pound per hour (lb/hr) and 0.92 lb/hr, respectively.

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

[Authority for this permit condition is also derived from the Best Available Technology requirements of 25 Pa. Code sections 127.1 and 127.12]

The permittee shall only use natural gas as fuel to operate Source ID P102B.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

[Authority for this permit condition is also derived from the Best Available Technology requirements of 25 Pa. Code sections 127.1 and 127.12]

The permittee shall generate and keep record of the supporting information and calculations for Source ID P102B that verify compliance with each of the applicable emission limits as specified above under the Emission Restrictions section above. These records shall be made available to the Department upon request and maintained in accordance with the other recordkeeping requirements in section B herein.

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

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

VI. WORK PRACTICE REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this permit condition is also derived from the Best Available Technology requirements of 25 Pa. Code sections 127.1 and 127.12]

The permittee shall install, operate and maintain Source ID P102B in accordance with the manufacturer's specifications and with good operating practices for the control of the NO_x and CO emissions from the natural gas-fired combustion source.

VII. ADDITIONAL REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

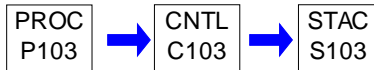
Source ID P102B is an outdoor-rated air make-up unit (GFS Model CFA-25) that is designed and operated to accelerate curing of metal products coated in Source ID P101B.

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: FLOWLINE PAINT BOOTH

Source Capacity/Throughput:

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

[Authority is also derived from 25 Pa. Code section 127.12]

Except for general purpose coatings which are subject to a lower regulatory restriction of 2.8 lbs VOC/gal, as applied, the VOC content of any other coating as applied by the surface coating operation associated with Source ID P103 shall not exceed 3.5 lbs VOC/gal. Additionally, the average HAP content of the coatings as applied in the paint booth shall not exceed 1.4 lbs HAP/gal on an annual basis.

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

[Authority is also derived from 25 Pa. Code section 127.12]

(a) The volatile organic compounds (VOCs) emitted from all of the coatings, thinners and other coating-related solvent components consumed by the surface coating operation associated with Source ID P103, on a combined total basis, shall not exceed 2.8 tons in any 12 consecutive month period.

(b) The hazardous air pollutants (HAPs) emitted from all of the coatings, thinners and other coating-related solvent components consumed by the surface coating operation associated with Source ID P103, on a combined total basis, shall not exceed 1.12 tons in any 12 consecutive month period.

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

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

(a) The permittee shall prohibit use of a miscellaneous metal part coating in Source ID P103 unless the coating, as applied, meets one of the following limits, expressed as 'Weight of VOC per Volume of Coating, Less Water and Exempt Compounds, as Applied', in accordance with 25 Pa. Code sections 129.52d(d)(4) and (5):

2.8 pound (lb) VOC / gallon (gal) coating for general purpose coatings including one-component and multicomponent coatings, or

3.5 lb VOC / gal coating for extreme high-gloss, extreme performance and heat-resistant coatings

(b) The VOC content of each as applied coating, expressed as 'Weight of VOC per Volume of Coating, Less Water and Exempt Compounds, as Applied', shall be calculated according to the following equation to account for all the added organic dilution solvent and to verify that each coating meets the applicable VOC content limit, above, As Applied.

$$(VOC)a = [(VOC)s + (V)t / (V)s * (D)t] / [1 + (V)t / (V)s]$$

Where:

(VOC)a = "As Applied" VOC Content of the Coating, in units of lb VOC / gal coating.

(VOC)s = "As Supplied" VOC Content of the Coating, in units of lb VOC / gal coating.

(V)t = Volume used, in units of gal, of any added organic dilution solvent (thinner), and if applicable, on a cumulative basis.

**SECTION D. Source Level Requirements**

(V)_s = Volume used, in units of gal, of the coating prior to being diluted for the job at-hand

(D)_t = Density of the organic dilution solvent added, at 25°C, in units of lb / gal thinner.

If a dilution solvent contains only water or exempt solvents then "As Supplied" VOC Content is equal to "As Applied" VOC Content. Also, the equation above only applies to a coating that the permittee dilutes with only one (1) type of dilution solvent containing 100% VOCs, i.e. one (1) organic dilution solvent.

For coatings that will be diluted with a mixture of organic dilution solvents, the permittee shall, prior to use, notify and provide supporting information for Department approval, to determine compliance with each applicable as applied coating VOC content limit in accordance with 25 Pa. Code section 129.52d(k).

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

[Compliance with this permit requirement assures compliance with the provisions of 25 Pa. Code Sections 123.13]

The particulate matter emissions in the exhaust of Source ID P103 shall not exceed 0.01 grains per dry standard cubic foot.

Throughput Restriction(s).**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority is also derived from 25 Pa. Code section 127.12]

The permittee shall use no more than 1,600 gallons of paint in Source ID P103 in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

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

[Authority is also derived from 25 Pa. Code section 127.12]

The permittee shall monitor and keep records on a daily basis of the volume used and the identity of paint coatings, expressed as gal undiluted coating, or, if applicable, gal diluted coating from paint storage, the volumes of organic dilution solvent (thinner) added and left-over waste that is shipped to proper off-site disposal facilities, as applicable, to determine the VOC and HAP emissions in any calendar month and 12 consecutive month period, from the Source ID P103 surface coating operation, using mass balance calculations, on a monthly basis.

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

Source ID P103 shall be equipped with instrumentation to continuously monitor the differential pressure across the overspray panel filters (ID C103).

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

[Authority for this permit condition is also derived from 25 Pa. Code sections 127.12 and 129.52d(f)]

(a) The permittee shall generate on a monthly basis, at least, and keep accurate and comprehensive records sufficient to show that each application of a coating used in the Source ID P103 surface coating operation, except as provided for under

**SECTION D. Source Level Requirements**

25 Pa. Code section 127.52d(h)(1), meets the VOC and HAP content and annual total limits on the Source ID P103 surface coating operation as specified under the Emission Restrictions section above. The monthly records shall at a minimum include the following information:

- (i) Name and identification number of each coating used in the previous calendar month as well as the mix ratio by volume, if multicomponent coating;
 - (ii) Volume used in the previous calendar month of each as supplied coating (gal undiluted coating).
 - (iii) VOC content of each coating, as supplied, in units of lb VOC per gal undiluted coating, as well as the manufacturer's formulation data including the "as supplied" density, weight percent of total volatiles, water, solids and exempt solvents, and volume percent of total volatiles, water and exempt solvents.
 - (iv) HAP content of each coating, as supplied, in units of lb HAP per gal undiluted coating, as well as the manufacturer's formulation data including the "as supplied" density and weight percent of each HAP constituent.
 - (v) Name of each dilution solvent added in the previous calendar month, on a per coating basis.
 - (vi) Total volume of dilution solvent added in the previous calendar month (gal organic dilution solvent), on a per coating basis, except for dilution solvents that contain only water or exempt compounds.
 - (vii) Monthly average VOC and HAP contents of each coating, as applied, in units of lb VOC/HAP per gal diluted coating, as well as the supporting data and intermediate calculations.
 - (viii) Volume used in previous calendar month of each as applied coating (gal diluted coating), as well as the supporting data and intermediate calculations.
 - (ix) Mass balance VOC emission calculations for all the coatings used in Source ID P103, on a calendar month and 12-month rolling basis, as well as the supporting data and intermediate calculations.
 - (x) Mass balance individual HAP emission calculations for all the coatings used in Source ID P103, on a calendar month and 12-month rolling basis, as well as the supporting data and intermediate calculations.
 - (xi) Mass balance total HAP emission calculations for all the coatings used in Source ID P103, on a calendar month and 12-month rolling basis, as well as the supporting data and intermediate calculations.
- (b) The above records including the background info and calculations used to derive the reported values shall be kept for a period of five (5) years and in accordance with the other recordkeeping requirements in section B herein.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of employee training certification for use of Airless, HVLP or other high transfer efficiency spray paint delivery methods as detailed in 40 CFR section 63.11519(c)(8).

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

A differential pressure reading shall be taken and recorded at least once every work day, while Source ID P103 is operating.

V. REPORTING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code section 129.52d]

- (a) The permittee shall submit semi-annual reports to the Department of the following:

**SECTION D. Source Level Requirements**

- (i) Name and identification number of each coating used in the reporting period as well as mix ratio by volume, if multicomponent coating;
 - (ii) Volume used in the months in the reporting period of each coating (gal undiluted coating).
 - (iii) VOC content of each coating, as supplied, in units of lb VOC per gal undiluted coating, as well as manufacturer's formulation data including the "as supplied" density, weight percent of total volatiles, water, solids and exempt solvents, and volume percent of total volatiles, water and exempt solvents.
 - (iv) HAP content of each coating, as supplied, in units of lb HAP per gal undiluted coating, as well as manufacturer's formulation data including the "as supplied" density and weight percent of each HAP constituent.
 - (v) Name of each dilution solvent added in the reporting period, on a per coating basis.
 - (vi) Total volume of dilution solvent added in the reporting period (gal organic dilution solvent), on a per coating basis, except for dilution solvents that contain only water or exempt compounds.
 - (vii) Monthly average VOC and HAP contents of each coating, as applied, in units of lb VOC/HAP per gal diluted coating,.
 - (viii) Volume used in the reporting period of each as applied coating used (gal diluted coating).
 - (ix) Mass balance VOC emission calculations for all the coatings used in Source ID P103, on a calendar month and 12-month rolling basis.
 - (x) Mass balance individual HAP emission calculations for all the coatings used in Source ID P103, on a calendar month and 12-month rolling basis.
 - (xi) Mass balance total HAP emission calculations for all the coatings used in Source ID P103, on a calendar month and 12-month rolling basis.
- (b) The semi-annual reports shall be submitted by March 1 for the reporting period from July 1 through December 31 of the previous year and by September 1 (for the reporting period from January 1 through June 30 of the concurrent year.

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

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

The permittee shall comply with the following work practices for coating-related activities:

- (1) Store all VOC/HAP-containing paints, coatings, dilution solvents (thinners, reducers, etc.) and other coating-related materials (e.g. used shop towels) in closed containers.
- (2) Ensure that mixing and storage containers used for VOC/HAP-containing paints, coatings, thinners and other coating-related materials are kept closed at all times, except when depositing or removing any of these.
- (3) Minimize spills of VOC/HAP-containing paint, coatings, thinners, etc. and clean up spills immediately.
- (4) Convey VOC/HAP-containing paint, coatings, thinners and other coating-related materials from one location to another in closed containers or pipes.

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

[Authority for this permit condition is also derived from 25 Pa. Code section 25 Pa. Code section 129.52d and 40 CFR section 63.11516(d)(4)]

**SECTION D. Source Level Requirements**

All cleaning of paint application, storage, mixing or conveying equipment for Source ID P103 shall be done by ensuring that equipment cleaning is performed without atomizing the cleaning solvent and all spent solvent including paint residue is captured in closed containers.

Spray gun cleaning may be done, for example, by hand cleaning of parts of the disassembled gun in a container of solvent, by flushing solvent through the gun without atomizing the solvent and paint residue, or by using a fully enclosed spray gun washer. A combination of these non-atomizing methods may also be used. The use of solvent-laden rags to wipe down equipment is also acceptable as long as the rags are stored in closed containers after use.

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority for this permit condition is also derived from 40 CFR section 63.11516]

All workers performing painting in Source ID P103 shall be certified that they have completed training in the proper spray application of paints (coatings) and the proper setup and maintenance of spray equipment, according to 40 CFR section 63.11516(d)(8). The minimum requirements for training and certification are described in paragraph (d)(6) of 40 CFR section 63.11516. The spray application of coating is prohibited by persons who are not certified as having completed the training described in paragraph (d)(6) of 40 CFR section 63.11516. The requirements of this paragraph do not apply to the students of an accredited painting training program who are under the direct supervision of an instructor who meets the requirements of this paragraph. The requirements of this paragraph do not apply to operators of robotic or automated painting operations.

VII. ADDITIONAL REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P103 is subject to the National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories as codified in 40 CFR Part 63 Subpart XXXXXX. The permittee shall comply with all applicable requirements pertaining to Source ID P103, as specified in 40 CFR sections 63.11514 through 63.11523.

016 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P103 is subject to control of VOC emissions from miscellaneous metal parts surface coating processes as codified in 25 Pa. Code section 129.52d. The permittee shall comply with all applicable requirements pertaining to Source ID P103, as specified in 25 Pa. Code section 129.52d.

017 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P103 is a Global Finishing Systems model # IFP 2012-12 20 foot wide by 10 feet high by 12 feet deep surface coating booth equipped with a GFS Wave overspray panel filters (ID C103).

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain an adequate supply of spare overspray panel filters (ID C103) in order to change any filter in need of replacement.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All paints, coatings, etc. shall be applied through the use of Graco Model XTR Airless Spray Gun or other coating application methods if approved in writing by the Department

**SECTION D. Source Level Requirements**

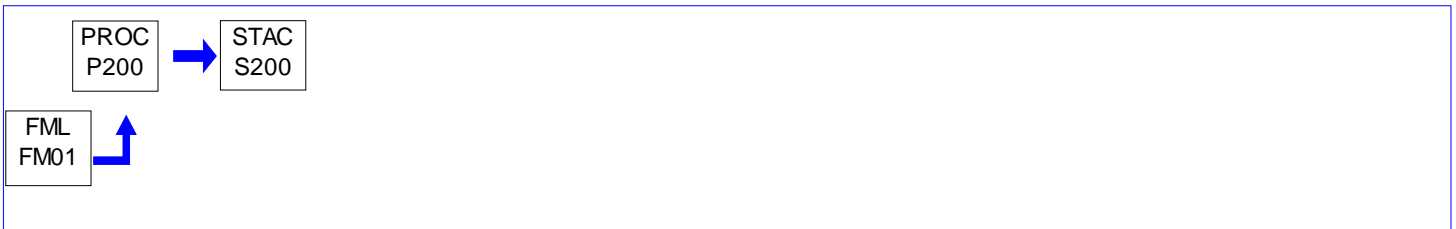
Source ID: P200

Source Name: STRESS RELIEF OVEN

Source Capacity/Throughput:

14.300 MCF/HR

Natural Gas

**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 the exhaust associated with Source ID P200 in a manner that the concentration in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P200 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, on a dry basis.

Fuel Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P200 shall only be fired on natural gas.

Operation Hours Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall not operate Source ID P200 greater than 1040 hours in any 12 consecutive month period.

Throughput Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Any material processed in Source ID P200 shall be free of cured paint, oil, grease or other volatile residual material.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

The permittee shall generate and keep monthly records to verify compliance with the 1040 hours of operation limitation on a 12-month rolling sum basis. If Source ID P200 is not equipped with a non-resettable hour meter to show compliance then the permittee shall generate and keep records of monthly natural gas fuel consumption to verify that the fuel consumption of Source ID P200, on a 12-month rolling sum basis, does not exceed 15.3 million standard cubic feet of natural gas (mmscf), as derived from the maximum heat input capacity of 15 mmBtu per hour, the 1040 hours of operation limitation, and a natural gas fuel heating value of 1020 Btu/scf).

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

The permittee shall generate and keep record of the supporting information and calculations for Source ID P200 that verify the source is operating in compliance with each of the applicable particulate matter and sulfur oxide emissions limitations, as specified above under Emission Restriction(s). These records shall be presented to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

Source ID P200 is a 15 MMBTU/hr Hotfoil - EHA Model SRF-SS-NECD-40x10x10 INS natural gas-fired stress relief oven. It is permitted to release into the outdoor atmosphere natural gas combustion emissions, only.

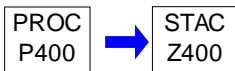
**SECTION D. Source Level Requirements**

Source ID: P400

Source Name: MIG & TIG WELDING STATIONS

Source Capacity/Throughput:

0.440 TH LBS/HR

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

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

For consumable electrodes, the permittee shall only use in Source ID P400 electrodes that have equivalent or less emission potential to the FCAW E71T electrode, based on a 12-month rolling average.

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 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my standards and management practices?**

(3) Tier 1 compliance requirements for welding. You must perform visual determinations of welding fugitive emissions as specified in § 63.11517(b), "Monitoring requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations. You must keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in § 63.11519(c)(2), "Notification, recordkeeping, and reporting requirements."

(4) Requirements upon initial detection of visible emissions from welding. If visible fugitive emissions are detected during any visual determination required in paragraph (f)(3) of this section, you must comply with the requirements in paragraphs (f)(4)(i) and (ii) of this section.

(i) Perform corrective actions that include, but are not limited to, inspection of welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with paragraph (f)(2) of this section. After completing such corrective actions, you must perform a follow-up inspection for visible fugitive emissions in accordance with § 63.11517(a), "Monitoring Requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.

(ii) Report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions, and submit with your annual certification and compliance report as required by § 63.11519(b)(5), "Notification, recordkeeping, and reporting requirements."

(5) Tier 2 requirements upon subsequent detection of visible emissions. If visible fugitive emissions are detected more than once during any consecutive 12 month period (notwithstanding the results of any follow-up inspections), you must comply with paragraphs (f)(5)(i) through (iv) of this section.

(i) Within 24 hours of the end of the visual determination of fugitive emissions in which visible fugitive emissions were detected, you must conduct a visual determination of emissions opacity, as specified in § 63.11517(c), "Monitoring

**SECTION D. Source Level Requirements**

requirements," at the primary vent, stack, exit, or opening from the building containing the welding operations.

(ii) In lieu of the requirement of paragraph (f)(3) of this section to perform visual determinations of fugitive emissions with EPA Method 22, you must perform visual determinations of emissions opacity in accordance with § 63.11517(d), "Monitoring Requirements," using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.

(iii) You must keep a record of each visual determination of emissions opacity performed in accordance with paragraphs (f)(5)(i) or (ii) of this section, along with any subsequent corrective action taken, in accordance with the requirements in § 63.11519(c)(3), "Notification, recordkeeping, and reporting requirements."

(iv) You must report the results of all visual determinations of emissions opacity performed in accordance with paragraphs (f)(5)(i) or (ii) of this section, along with any subsequent corrective action taken, and submit with your annual certification and compliance report as required by § 63.11519(b)(6), "Notification, recordkeeping, and reporting requirements."

(6) Requirements for opacities less than or equal to 20 percent but greater than zero. For each visual determination of emissions opacity performed in accordance with paragraph (f)(5) of this section for which the average of the six-minute average opacities recorded is 20 percent or less but greater than zero, you must perform corrective actions, including inspection of all welding fume sources, and evaluation of the proper operation and effectiveness of the management practices or fume control measures implemented in accordance with paragraph (f)(2) of this section.

(7) Tier 3 requirements for opacities exceeding 20 percent. For each visual determination of emissions opacity performed in accordance with paragraph (f)(5) of this section for which the average of the six-minute average opacities recorded exceeds 20 percent, you must comply with the requirements in paragraphs (f)(7)(i) through (v) of this section.

(i) You must submit a report of exceedence of 20 percent opacity, along with your annual certification and compliance report, as specified in § 63.11519(b)(8), "Notification, recordkeeping, and reporting requirements," and according to the requirements of § 63.11519(b)(1), "Notification, recordkeeping, and reporting requirements."

(ii) Within 30 days of the opacity exceedence, you must prepare and implement a Site-Specific Welding Emissions Management Plan, as specified in paragraph (f)(8) of this section. If you have already prepared a Site-Specific Welding Emissions Management Plan in accordance with this paragraph, you must prepare and implement a revised Site-Specific Welding Emissions Management Plan within 30 days.

(iii) During the preparation (or revision) of the Site-Specific Welding Emissions Management Plan, you must continue to perform visual determinations of emissions opacity, beginning on a daily schedule as specified in § 63.11517(d), "Monitoring Requirements," using EPA Method 9, at the primary vent, stack, exit, or opening from the building containing the welding operations.

(iv) You must maintain records of daily visual determinations of emissions opacity performed in accordance with paragraph (f)(7)(iii) of this section, during preparation of the Site-Specific Welding Emissions Management Plan, in accordance with the requirements in § 63.11519(b)(9), "Notification, recordkeeping, and reporting requirements."

(v) You must include these records in your annual certification and compliance report, according to the requirements of § 63.11519(b)(1), "Notification, recordkeeping, and reporting requirements."

(8) Site-Specific Welding Emissions Management Plan. The Site-Specific Welding Emissions Management Plan must comply with the requirements in paragraphs (f)(8)(i) through (iii) of this section.

(i) Site-Specific Welding Emissions Management Plan must contain the information in paragraphs (f)(8)(i)(A) through (F) of this section.

(A) Company name and address;

(B) A list and description of all welding operations which currently comprise the welding affected source;

**SECTION D. Source Level Requirements**

(C) A description of all management practices and/or fume control methods in place at the time of the opacity exceedance;

(D) A list and description of all management practices and/or fume control methods currently employed for the welding affected source;

(E) A description of additional management practices and/or fume control methods to be implemented pursuant to paragraph (f)(7)(ii) of this section, and the projected date of implementation; and

(F) Any revisions to a Site-Specific Welding Emissions Management Plan must contain copies of all previous plan entries, pursuant to paragraphs (f)(8)(i)(D) and (E) of this section.

(ii) The Site-Specific Welding Emissions Management Plan must be updated annually to contain current information, as required by paragraphs (f)(8)(i)(A) through (C) of this section, and submitted with your annual certification and compliance report, according to the requirements of § 63.11519(b)(1), "Notification, recordkeeping, and reporting."

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11517]**Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my monitoring requirements?**

The permittee shall comply with all applicable monitoring requirements pertaining to Source ID P400, as specified in 40 CFR Part 63 section 63.11517.

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

(a) The permittee shall maintain and make available, upon request by the Department, monthly records of the total amounts (weights) and the types of consumable electrodes used by the welding operations associated with Source ID P400 in each calendar month and twelve consecutive month period, as well as the monthly calculations to verify compliance with the emissions restrictions herein.

(b) The records shall be kept for a minimum period of five (5) years as well as the monitoring data and other background info used to derive the reported values as required in accordance with the recordkeeping requirements in section B herein.

V. REPORTING REQUIREMENTS.**# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my notification, recordkeeping, and reporting requirements?**

You must prepare and submit annual certification and compliance reports for Source ID P400 according to the requirements of 40 CFR Part 63 section 63.11519.

VI. WORK PRACTICE REQUIREMENTS.**# 006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]****Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my standards and management practices?**

Standards for welding. If you own or operate a new or existing welding affected source, you must comply with the requirements in paragraphs (1) and (2) of this section for each welding operation that uses materials that contain MFHAP, as defined in § 63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. If your welding affected source uses 2,000 pounds or more per year of welding rod containing one or more MFHAP (calculated on a rolling 12-month basis), you must demonstrate that management practices or fume control measures are being implemented by complying with the requirements in paragraphs (3) through (8) of this section. The requirements in paragraphs (1) through

**SECTION D. Source Level Requirements**

(8) of this section do not apply when welding operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP.

(1) You must operate all equipment, capture, and control devices associated with welding operations according to manufacturer's instructions. You must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the capture and control devices, as specified by the requirements in § 63.11519(c)(4), "Notification, recordkeeping, and reporting requirements."

(2) You must implement one or more of the management practices specified in paragraphs (f)(2)(i) through (v) of this section to minimize emissions of MFHAP, as practicable, while maintaining the required welding quality through the application of sound engineering judgment.

(i) Use welding processes with reduced fume generation capabilities (e.g., gas metal arc welding (GMAW)—also called metal inert gas welding (MIG));

(ii) Use welding process variations (e.g., pulsed current GMAW), which can reduce fume generation rates;

(iii) Use welding filler metals, shielding gases, carrier gases, or other process materials which are capable of reduced welding fume generation;

(iv) Optimize welding process variables (e.g., electrode diameter, voltage, amperage, welding angle, shield gas flow rate, travel speed) to reduce the amount of welding fume generated; and

(v) Use a welding fume capture and control system, operated according to the manufacturer's specifications.

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

Source ID P400 consists of twenty-seven Miller 350, seven (7) Miller 400 and seventeen Lincoln 350 welding stations that are used to perform TIG and/or MIG welding, depending on the job at-hand.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11514]**Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****Am I subject to this subpart?**

Source ID P400 is subject to National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories as codified in 40 CFR Part 63 Subpart XXXXXX. The permittee shall comply with all applicable requirements pertaining to Source ID P400, as specified in 40 CFR sections 63.11514 through 63.11523.

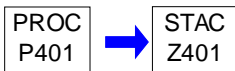
**SECTION D. Source Level Requirements**

Source ID: P401

Source Name: SUBMERGED PLASMA ARC CUTTER AND WELDERS

Source Capacity/Throughput:

0.001 TH LBS/HR

**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.

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

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

(a) The permittee shall maintain and make available, upon request by the Department, monthly records of the total amounts (weights) and the types of electrodes used by the four (4) submerged arc welding operations associated with Source ID P401 in each calendar month and twelve consecutive month period.

(b) The records shall be kept for a minimum period of five (5) years as well as the monitoring data and other info as required in accordance with the recordkeeping requirements in section B herein.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

Source ID P401 consists of one submerged arc plasma cutter, in addition to the four (4) submerged arc welders (SAW).

**SECTION D. Source Level Requirements**

Source ID: P402

Source Name: HYPERTHERM PLASMA PIPE CUTTER

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11517]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What are my monitoring requirements?

The permittee shall comply with all applicable monitoring requirements specified in 40 CFR Part 63 Section 63.11517.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code section 127.444]

(a) The permittee shall maintain monthly records of the hours of operation of the Source ID P402 plasma cutter and the Source ID C402 collector including the calendar month sum totals and supporting monitoring info used to determine the reported values, as well other records for the above sources as applicable in accordance the recordkeeping requirements in section B herein.

(b) The records and supporting monitoring info shall be kept for a period of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What are my notification, recordkeeping, and reporting requirements?

You must prepare and submit annual certification and compliance reports for each affected source according to the requirements of 40 CFR Part 63 Section 63.11519.

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Authority is also derived from 25 Pa. Code section 127.444]

The Source ID P402 plasma pipe cutter's Sideros cartridge collector shall not be vented directly into the outdoor atmosphere without prior written approval from the Department.

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

[Authority is also derived from 25 Pa. Code section 127.444]

Under no circumstance shall stainless steel be processed by the Source ID P402 plasma cutter operation unless written Department approval is obtained prior to making the change.

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

[Authority is also derived from 25 Pa. Code section 127.444]

The permittee shall keep on hand a sufficient quantity of spare cartridges for the Sideros cartridge collector associated with the Hypertherm plasma cutter operation in order to be able to immediately replace any cartridges requiring replacement due to deterioration.

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

The particulate generated by the Hypertherm plasma pipe cutting operation associated with Source ID P402 as well as the particulate collected by its Sideros collector associated with Source ID C402 shall be handled and stored on-site in accordance with good housekeeping practices to comply with 25 Pa. Code sections 123.1 and 123.2, relating to fugitive emissions.

008 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]**Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories****What are my standards and management practices?**

You must implement management practices to minimize emissions of MFHAP as specified in paragraph (1) and (2) of this section for each machining operation that uses materials that contain MFHAP, as defined in § 63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. These requirements do not apply when machining operations are being performed that do not use any materials containing MFHAP and do not have the potential to emit MFHAP.

(1) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(2) You must operate all equipment associated with machining according to manufacturer's instructions.

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

(a) Source ID P402 authorized herein consists of the new Hypertherm plasma pipe cutter operation which is vented to the Sideros model ECO9T filter collector (Source ID C402) in accordance with the RFD application ID 10517, including the supplemental requested and later approved by the Department.

(b) In addition, the Source ID P402 plasma pipe cutter operation shall have an outlet particulate concentration which at minimum meets the applicable limit of Chapter 123, relating to particulate matter equal to 0.04 gr/dscf.

(c) In addition, the Source ID P402 plasma pipe cutter operation should not emit more than 1000 lbs/yr of a single HAP or one type of a combination of HAPs. The HAPs may not contain Polychlorinated Biphenyls (PCBs), Chromium (Cr), Mercury (Hg), Lead (Pb), Polycyclic Organic Matter (POM), Dioxins or Furans unless Department approval is obtained prior to the change.

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

[Authority is also derived from 25 Pa. Code section 127.444]

**SECTION D. Source Level Requirements**

The Sideros cartridge collector associated with Source ID C402 herein shall control particulates (fumes) from the Source ID P402 plasma pipe cutter operation authorized herein.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11514]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

Am I subject to this subpart?

Source ID P402 is subject to 40 CFR Part 63 Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The permittee shall comply with all applicable requirements pertaining to Source ID P402, as specified in 40 CFR sections 63.11514 through 63.11523.

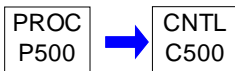
**SECTION D. Source Level Requirements**

Source ID: P500

Source Name: ABRASIVE BLAST BOOTH

Source Capacity/Throughput:

N/A

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11517]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What are my monitoring requirements?

The permittee shall comply with all applicable monitoring requirements pertaining to Source ID P500, as specified in 40 CFR Part 63 Section 63.11517.

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What are my notification, recordkeeping, and reporting requirements?

You must prepare and submit annual certification and compliance reports for Source ID P500 according to the requirements of 40 CFR Part 63 Section 63.11519.

VI. WORK PRACTICE REQUIREMENTS.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What are my standards and management practices?

(a) Dry abrasive blasting standards. If you own or operate a new or existing dry abrasive blasting affected source, you must comply with the requirements in paragraphs (a)(1) through (3) of this section, as applicable, for each dry abrasive blasting operation that uses materials that contain MFHAP, as defined in § 63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. These requirements do not apply when abrasive blasting operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP.

(1) Standards for dry abrasive blasting of objects performed in totally enclosed and unvented blast chambers. If you own or operate a new or existing dry abrasive blasting affected source which consists of an abrasive blasting chamber that is totally enclosed and unvented, as defined in § 63.11522, "What definitions apply to this subpart?", you must implement

**SECTION D. Source Level Requirements**

management practices to minimize emissions of MFHAP. These management practices are the practices specified in paragraph (a)(1)(i) and (ii) of this section.

(i) You must minimize dust generation during emptying of abrasive blasting enclosures; and

(ii) You must operate all equipment associated with dry abrasive blasting operations according to the manufacturer's instructions.

(2) Standards for dry abrasive blasting of objects performed in vented enclosures. If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which has a vent allowing any air or blast material to escape, you must comply with the requirements in paragraphs (a)(2)(i) and (ii) of this section. Dry abrasive blasting operations for which the items to be blasted exceed 8 feet (2.4 meters) in any dimension, may be performed subject to the requirements in paragraph (a)(3) of this section.

(i) You must capture emissions and vent them to a filtration control device. You must operate the filtration control device according to manufacturer's instructions, and you must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in § 63.11519(c)(4), "What are my notification, recordkeeping, and reporting requirements?"

(ii) You must implement the management practices to minimize emissions of MFHAP as specified in paragraphs (a)(2)(ii)(A) through (C) of this section.

(A) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(B) You must enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials; and

(C) You must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions.

(3) Standards for dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension. If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which is performed on objects greater than 8 feet (2.4 meters) in any one dimension, you may implement management practices to minimize emissions of MFHAP as specified in paragraph (a)(3)(i) of this section instead of the practices required by paragraph (a)(2) of this section. You must demonstrate that management practices are being implemented by complying with the requirements in paragraphs (a)(3)(ii) through (iv) of this section.

(i) Management practices for dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension are specified in paragraphs (a)(3)(i)(A) through (E) of this section.

(A) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(B) You must enclose abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive material; and

(C) You must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions; and

(D) You must not re-use dry abrasive blasting media unless contaminants (i.e., any material other than the base metal, such as paint residue) have been removed by filtration or screening, and the abrasive material conforms to its original size; and

(E) Whenever practicable, you must switch from high particulate matter (PM)-emitting blast media (e.g., sand) to low PM-emitting blast media (e.g., crushed glass, specular hematite, steel shot, aluminum oxide), where PM is a surrogate for

**SECTION D. Source Level Requirements**

MFHAP.

(ii) You must perform visual determinations of fugitive emissions, as specified in § 63.11517(b), "What are my monitoring requirements?", according to paragraphs (a)(3)(ii)(A) or (B) of this section, as applicable.

(A) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed outdoors, you must perform visual determinations of fugitive emissions at the fenceline or property border nearest to the outdoor dry abrasive blasting operation.

(B) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed indoors, you must perform visual determinations of fugitive emissions at the primary vent, stack, exit, or opening from the building containing the abrasive blasting operations.

(iii) You must keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in § 63.11519(c)(2), "What are my notification, recordkeeping, and reporting requirements?"

(iv) If visible fugitive emissions are detected, you must perform corrective actions until the visible fugitive emissions are eliminated, at which time you must comply with the requirements in paragraphs (a)(3)(iv)(A) and (B) of this section.

(A) You must perform a follow-up inspection for visible fugitive emissions in accordance with § 63.11517(a), "Monitoring Requirements."

(B) You must report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions, with your annual certification and compliance report as required by § 63.11519(b)(5), "Notification, recordkeeping, and reporting requirements."

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P500 is an abrasive blasting booth. The air contaminant emissions from which shall be controlled with an ABS, Inc. model 011-D1101-61 fabric collector (ID C500). ID C500 shall not be vented to the outdoor atmosphere unless prior Department approval is obtained.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare filters for ID C500 in order to be able to replace any requiring replacement at once.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11514]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories**Am I subject to this subpart?**

Source ID P500 is subject to 40 CFR Part 63 Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The permittee shall comply with all applicable requirements pertaining to Source ID P500, as specified in 40 CFR sections 63.11514 through 63.11523.

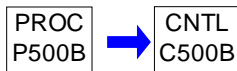
**SECTION D. Source Level Requirements**

Source ID: P500B

Source Name: DRY ABRASIVE BLASTING BOOTH

Source Capacity/Throughput:

N/A

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11517]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What are my monitoring requirements?

The permittee shall comply with all applicable monitoring requirements pertaining to Source ID P500B, as specified in 40 CFR Part 63 Section 63.11517.

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11519]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What are my notification, recordkeeping, and reporting requirements?

You must prepare and submit annual certification and compliance reports for each affected source according to the requirements of 40 CFR Part 63 Section 63.11519.

VI. WORK PRACTICE REQUIREMENTS.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11516]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories

What are my standards and management practices?

(a) Dry abrasive blasting standards. If you own or operate a new or existing dry abrasive blasting affected source, you must comply with the requirements in paragraphs (a)(1) through (3) of this section, as applicable, for each dry abrasive blasting operation that uses materials that contain MFHAP, as defined in § 63.11522, "What definitions apply to this subpart?", or has the potential to emit MFHAP. These requirements do not apply when abrasive blasting operations are being performed that do not use any materials containing MFHAP or do not have the potential to emit MFHAP.

(1) Standards for dry abrasive blasting of objects performed in totally enclosed and unvented blast chambers. If you own or operate a new or existing dry abrasive blasting affected source which consists of an abrasive blasting chamber that is totally enclosed and unvented, as defined in § 63.11522, "What definitions apply to this subpart?", you must implement

**SECTION D. Source Level Requirements**

management practices to minimize emissions of MFHAP. These management practices are the practices specified in paragraph (a)(1)(i) and (ii) of this section.

(i) You must minimize dust generation during emptying of abrasive blasting enclosures; and

(ii) You must operate all equipment associated with dry abrasive blasting operations according to the manufacturer's instructions.

(2) Standards for dry abrasive blasting of objects performed in vented enclosures. If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which has a vent allowing any air or blast material to escape, you must comply with the requirements in paragraphs (a)(2)(i) and (ii) of this section. Dry abrasive blasting operations for which the items to be blasted exceed 8 feet (2.4 meters) in any dimension, may be performed subject to the requirements in paragraph (a)(3) of this section.

(i) You must capture emissions and vent them to a filtration control device. You must operate the filtration control device according to manufacturer's instructions, and you must demonstrate compliance with this requirement by maintaining a record of the manufacturer's specifications for the filtration control devices, as specified by the requirements in § 63.11519(c)(4), "What are my notification, recordkeeping, and reporting requirements?"

(ii) You must implement the management practices to minimize emissions of MFHAP as specified in paragraphs (a)(2)(ii)(A) through (C) of this section.

(A) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(B) You must enclose dusty abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive materials; and

(C) You must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions.

(3) Standards for dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension. If you own or operate a new or existing dry abrasive blasting affected source which consists of a dry abrasive blasting operation which is performed on objects greater than 8 feet (2.4 meters) in any one dimension, you may implement management practices to minimize emissions of MFHAP as specified in paragraph (a)(3)(i) of this section instead of the practices required by paragraph (a)(2) of this section. You must demonstrate that management practices are being implemented by complying with the requirements in paragraphs (a)(3)(ii) through (iv) of this section.

(i) Management practices for dry abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension are specified in paragraphs (a)(3)(i)(A) through (E) of this section.

(A) You must take measures necessary to minimize excess dust in the surrounding area to reduce MFHAP emissions, as practicable; and

(B) You must enclose abrasive material storage areas and holding bins, seal chutes and conveyors that transport abrasive material; and

(C) You must operate all equipment associated with dry abrasive blasting operations according to manufacturer's instructions; and

(D) You must not re-use dry abrasive blasting media unless contaminants (i.e., any material other than the base metal, such as paint residue) have been removed by filtration or screening, and the abrasive material conforms to its original size; and

(E) Whenever practicable, you must switch from high particulate matter (PM)-emitting blast media (e.g., sand) to low PM-emitting blast media (e.g., crushed glass, specular hematite, steel shot, aluminum oxide), where PM is a surrogate for

**SECTION D. Source Level Requirements**

MFHAP.

(ii) You must perform visual determinations of fugitive emissions, as specified in § 63.11517(b), "What are my monitoring requirements?", according to paragraphs (a)(3)(ii)(A) or (B) of this section, as applicable.

(A) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed outdoors, you must perform visual determinations of fugitive emissions at the fenceline or property border nearest to the outdoor dry abrasive blasting operation.

(B) For abrasive blasting of objects greater than 8 feet (2.4 meters) in any one dimension that is performed indoors, you must perform visual determinations of fugitive emissions at the primary vent, stack, exit, or opening from the building containing the abrasive blasting operations.

(iii) You must keep a record of all visual determinations of fugitive emissions along with any corrective action taken in accordance with the requirements in § 63.11519(c)(2), "What are my notification, recordkeeping, and reporting requirements?"

(iv) If visible fugitive emissions are detected, you must perform corrective actions until the visible fugitive emissions are eliminated, at which time you must comply with the requirements in paragraphs (a)(3)(iv)(A) and (B) of this section.

(A) You must perform a follow-up inspection for visible fugitive emissions in accordance with § 63.11517(a), "Monitoring Requirements."

(B) You must report all instances where visible emissions are detected, along with any corrective action taken and the results of subsequent follow-up inspections for visible emissions, with your annual certification and compliance report as required by § 63.11519(b)(5), "Notification, recordkeeping, and reporting requirements."

VII. ADDITIONAL REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P500B is a dry abrasive blasting booth. The air contaminant emissions from which shall be controlled with an ABS Blast Model ADFT 4-32 cartridge dust collector (ID C500B). ID C500B shall not be vented to the outdoor atmosphere unless prior Department approval is obtained.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep on hand a sufficient quantity of spare cartridge filters for ID C500B in order to be able to replace any requiring replacement at once.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.11514]

Subpart XXXXXX - National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories**Am I subject to this subpart?**

Source ID P500B is subject to 40 CFR Part 63 Subpart XXXXXX, National Emission Standards for Hazardous Air Pollutants Area Source Standards for Nine Metal Fabrication and Finishing Source Categories. The permittee shall comply with all applicable requirements pertaining to Source ID P500B, as specified in 40 CFR sections 63.11514 through 63.11523.



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.



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