



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: August 21, 2009
Expiration Date: September 30, 2014

Effective Date: October 1, 2009

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: 09-00176

Synthetic Minor

Federal Tax Id - Plant Code: 22-1861245-2

Owner Information

Name: METAL IMPROVEMENT CO LLC

Mailing Address: 3434 STATE RD
BENSALEM, PA 19020-5906

Plant Information

Plant: METAL IMPROVEMENT LLC/BENSALEM

Location: 09 Bucks County 09004 Bensalem Township
SIC Code: 3479 Manufacturing - Metal Coating And Allied Services

Responsible Official

Name: KENNETH SMOLKO

Title: DIVISION MANAGER

Phone: (215) 638 - 0888

Permit Contact Person

Name: RAY HANDWERKER

Title: EH & S MANAGER

Phone: (215) 638 - 0888

[Signature] _____

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER

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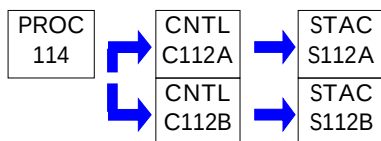
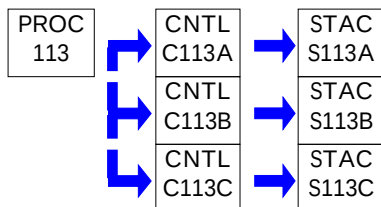
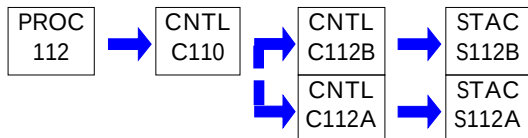
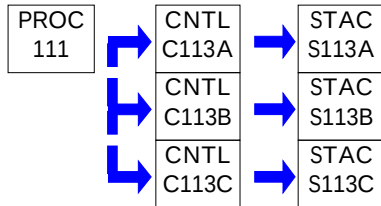
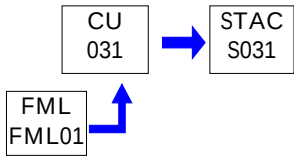
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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	TWO MIURA 300 HP BOILERS	9,556.000 CF / HR	Natural Gas
102	PAINT BOOTH (P-2)		
103	PAA PRIME BOOTH (P-3)		
104	POWDER COAT BOOTH (P-4)		
105	FLAT LINE SPRAY BOOTH (P-5)		
106	PAINT BOOTH P-1A		
107	PAINT BOOTH P-1B		
111	PHOSPHORIC ANODIZING (401,403,406)		
112	CHROMIUM ANODIZING (203,205,207,211,214)		
113	SULFURIC ANODIZING (119,121,124)		
114	BORIC SULFURIC ANODIZING (203, 207,216)		
211	CLEANUP SOLVENTS		
C101	3-STAGE FILTER		
C102	3-STAGE FILTER		
C103	3-STAGE FILTER		
C104	3-STAGE PARTICULATE FILTER		
C105	3-STAGE FILTER		
C106	3-STAGE FILTER		
C107	3-STAGE FILTER		
C110	FUME SUPPRESSANT WETTING AGENT		
C112A	SCRUBBER (2A)		
C112B	SCRUBBER (2B)		
C113A	SCRUBBER (1A)		
C113B	SCRUBBER (1B)		
C113C	SCRUBBER (1C)		
FML01	NATURAL GAS LINE		
S031	BOILER STACKS		
S101A	PAINT BOOTH (P-1A) STACK		
S101B	PAINT BOOTH (P-1B) STACK		
S102	PAINT BOOTH (P-2) STACK		
S103	PAA PRIME BOOTH (P-3) STACK		
S104	POWDER COAT BOOTH (P-4) STACK		
S105	FLAT LINE SPRAY BOOTH 105 STACK		
S112A	SCRUBBER (2A) STACK		
S112B	SCRUBBER (2B) STACK		
S113A	SCRUBBER (1A) STACK		
S113B	SCRUBBER (1B) STACK		
S113C	SCRUBBER (1C) STACK		
Z211	CLEANUP SOLVENTS EMISSIONS		

PERMIT MAPS

PERMIT MAPS





PERMIT MAPS

PROC
211



STAC
Z211

SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

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

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

(a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

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

Permit Renewal.

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

(c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).

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

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

(d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

(a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):

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

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

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension, modification, revision, renewal, and re-issuance of each operating permit or part thereof.

SECTION B. General State Only Requirements

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

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

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

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

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

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

Transfer of Operating Permits.

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

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

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

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

Inspection and Entry.

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

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

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

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

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

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

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

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

Compliance Requirements.

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

(1) Enforcement action

SECTION B. General State Only Requirements

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

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

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

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

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

(1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.

(2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]

Operating Permit Modifications

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

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

SECTION B. General State Only Requirements

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

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

#012 [25 Pa. Code § 127.441]

Severability Clause.

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

#013 [25 Pa. Code § 127.449]

De Minimis Emission Increases.

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

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

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

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

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

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

(2) One ton of NO_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:

(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.

SECTION B. General State Only Requirements

- (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)
- (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).

SECTION B. General State Only Requirements

(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 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.

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

Recordkeeping.

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

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

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

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

#021 [25 Pa. Code § 127.441(a)]

Property Rights.

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

#022 [25 Pa. Code § 127.447]

Alternative Operating Scenarios.

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

SECTION C. Site Level Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

(1) Construction or demolition of buildings or structures.

(2) Grading, paving and maintenance of roads and streets.

(3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.

(4) Clearing of land.

(5) Stockpiling of materials.

(6) Open burning operations.

(7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.

(8) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in 25 Pa. Code § 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).

(9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator 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; and

(ii) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

(b) An application form for requesting a determination under either subsection (a)(9) or 129.15(c) is available from the Department. In reviewing these applications, the Department may require the applicant to supply information including, but not limited to, a description of proposed control measures, characteristics of emissions, quantity of emissions, and ambient air quality data and analysis showing the impact of the source on ambient air quality. The applicant shall be required to demonstrate that the requirements of subsections (a)(9) and 25 Pa. Code Section 123.2 (relating to fugitive particulate matter) or of the requirements of 25 Pa. Code Section 129.15(c) have been satisfied. Upon such demonstration, the Department will issue a determination, in writing, either as an operating permit condition, for those sources subject to permit requirements under the act, or as an order containing appropriate conditions and limitations.

003 [25 Pa. Code §123.2]

Fugitive particulate matter

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

004 [25 Pa. Code §123.31]

Limitations

A person may not permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in

SECTION C. Site Level Requirements

such a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall limit the emissions of total aggregate Volatile Organic Compounds (VOC) from the facility to 20.46 tons per year, calculated as a 12-month rolling sum.
- (b) The permittee shall limit the emissions of any single Hazardous Air Pollutant (HAP) from the facility to 9.00 tons per year, calculated as a 12-month rolling sum.
- (c) The permittee shall limit the emissions of total aggregate Hazardous Air Pollutants (HAPs) from the facility to 20.46 tons per year, calculated as a 12-month rolling sum.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This facility shall remain a synthetic minor facility.

007 [25 Pa. Code §129.14]

Open burning operations

This facility is located in the Southeast Air Basin.

- (a) No person may permit the open burning of material in the Southeast Air Basin.
- (b) Exceptions: The requirements of subsection (a) do not apply where the open burning operations result from:
- (1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
 - (2) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
 - (3) A fire set for the prevention and control of disease or pests, when approved by the Department.

II. TESTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source listed in Section A, of this Permit, may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall monitor the facility, once per operating day, for the following:
- (1) Odors, which the Department may determine to be objectionable.
 - (2) Visible Emissions.
 - (3) Fugitive Particulate Matter.
- (b) All detectable fugitive particulate emissions, and /or objectionable odors, that originated on-site and cross the property line as well as visible emissions that originate on site shall:

SECTION C. Site Level Requirements

- (1) Be investigated.
- (2) Be reported to the facility management, or individual(s) designated by the permittee.
- (3) Have appropriate corrective action taken (for emissions that originate on-site).
- (4) Be recorded in a permanent written log.

(c) At the end of six months, upon the permittee's request, the Department will determine the feasibility of decreasing the monitoring frequency to weekly for the next six month period.

(d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification and the semi-annual report of monitoring and record keeping, complaints, monitoring results, and /or Department findings.

IV. RECORDKEEPING REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall calculate and keep records, on a monthly basis, calculated as a 12-month rolling sum, of the emissions from the facility in order to demonstrate compliance with VOC and HAP emission limitations of this Operating Permit.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.511.]

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

- (1) Date, time, and location of the incident(s).
- (2) The cause of the event.
- (3) The corrective action taken, if necessary, to abate the situation and prevent future occurrences.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

All records, reports, and analysis results generated in compliance with the requirements of any section of this permit shall be maintained in accordance with General State Only Requirement #020(b) and shall be made available to the Department upon written or verbal request within a reasonable time.

V. REPORTING REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall, within two (2) hours of discovery of any occurrence, notify the Department, at (484) 250-5920, of any malfunction of the source or associated air pollution control device listed in Section A, of this permit, which results in, or may possibly result in, the emission of air contaminants in excess of the limitations specified in this permit, or of a regulation contained in 25 Pa. Code Article III.

(b) Malfunction(s) which occur at this facility, and pose(s) an imminent danger to public health, safety, welfare and the environment, and would violate permit conditions if the source were to continue to operate after the malfunction, shall immediately be reported to the Department by telephone at the above number.

(c) A written report shall be submitted to the Department within two (2) working days following the notification of the incident, and shall describe, at a minimum, the following:

- (1) The malfunction(s).
- (2) The emission(s).
- (3) The duration.
- (4) Any corrective action taken.

SECTION C. Site Level Requirements

014 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
- Three years after the date on which a regulated substance is first listed under 40 CFR § 68.130; or,
 - The date on which a regulated substance is first present above a threshold quantity in a process.
- (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 CFR § 68.190.
- (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 CFR Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 CFR § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If this facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:
- Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
 - Certify that this facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 CFR Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 CFR § 68.200.
- (f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

and [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.347]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

In this Operating Permit the term Administrator is defined as both the US EPA and PA DEP (Department). Reports and notification required under this Operating Permit shall be made to the US EPA and the Department at the addresses identified below.

The Department copies shall be forwarded to:

Regional Air Quality Manager

SECTION C. Site Level Requirements

Pennsylvania Department of Environmental Protection.
2 East Main Street
Norristown, PA 19401

The US EPA copies shall be forwarded to:
Director, Air Quality
US EPA, Region III
1650 Arch Street
Philadelphia, PA 19103

016 [25 Pa. Code §135.3]

Reporting

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported.

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

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

VI. WORK PRACTICE REQUIREMENTS.

017 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in Condition #002(a)(1) -- (7) or (9), above, shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (a) use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) paving and maintenance of roadways.
- (d) prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or by other means.

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The permittee shall ensure that the source(s) and air pollution control device(s), listed in Section A and Section G, where applicable, of this Operating Permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall initiate a program to ensure that the operators of the sources, control devices, and ancillary devices are trained and updated in the operation and maintenance of the above.

The activities of this program shall be documented and kept on file. The reports are to cover periods from Jan. 1 - Dec. 31, and shall be documented no later than Feb. 1, of each year.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall immediately, upon discovery, implement measures, which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any

SECTION C. Site Level Requirements

time the operation of the source(s) identified in Section A of this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to, 25 Pa. Code Article III, or any other applicable rule promulgated under the Clean Air Act.

021 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.512.]

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

022 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall implement the following good housekeeping measures throughout their facility.

(1) Fresh and used solvents and coatings, except aqueous solvents and coatings, shall be stored in non-absorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying.

(2) Cloth or paper, or other absorbent applicators, moistened with solvents or coatings, except aqueous solvents and coatings, shall be stored in closed, nonabsorbent, nonleaking containers.

(3) Handling and transfer procedures shall minimize spills during filling and transferring solvents and coatings, except aqueous solvents and coatings, to or from enclosed systems, vats, waste containers and other cleaning operation equipment that holds or stores fresh or used solvents and coatings.

VII. ADDITIONAL REQUIREMENTS.

023 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The sources and control equipment are to be operated in accordance with the plans submitted with the application as approved herein.

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.

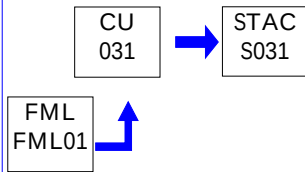
No compliance milestones exist.

SECTION D. Source Level Requirements

Source ID: 031

Source Name: TWO MIURA 300 HP BOILERS

Source Capacity / Throughput: 9,556.000 CF / HR Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.11]

Combustion units

Operation of the combustion units, Source Id 031, shall not, at any time, result in the emission of particulate matter in excess of 0.4 lb / MM Btu of heat input as specified in 25 Pa. Code Section 123.11.

002 [25 Pa. Code §123.22]

Combustion units

Operation of the combustion units, Source Id 031, shall not, at any time, result in the emission of sulfur oxides, expressed as SO₂, in excess of 1.0 lb / MM Btu of heat input as specified in 25 Pa. Code Section 123.22(e)(1).

003 [25 Pa. Code §123.41]

Limitations

A person may not permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (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 §127.441]

Operating permit terms and conditions.

The combustion units, Source Id 031, shall not exceed the following emission limits:

- (a) 30 ppm_{dv} of NO_x at 3% Oxygen; and
- (b) 300 ppm_{dv} of CO at 3% Oxygen.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combined emission limitations for the two Miura 300 HP Boilers, Source Id 031, firing Natural Gas only, shall not exceed the following rates, calculated as a 12-month rolling sums:

Nitrogen Oxides (NO_x): 2.68 tons per year;
 Carbon Oxide (CO): 7.04 tons per year;
 Volatile Organic Compounds (VOC): 0.46;
 Hazardous Air Pollutants (HAP): 0.46;
 Sulfur Oxides (SO_x): 0.06

Fuel Restriction(s).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only burn, in the two Miura 300 HP boilers, Source Id 031, natural gas.

SECTION D. Source Level Requirements**Throughput Restriction(s).**

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the natural gas usage for each of the two Miura Boilers, Source Id 031, to 83,710,560 cubic feet/year, calculated as a 12-month rolling sum.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain a natural gas meters on the boilers, Source Id 031, to determine and record the amount of fuel usage.

IV. RECORDKEEPING REQUIREMENTS.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.

(a) In accordance with 40 C.F.R. Section 63.48c(g)(1), the permittee shall record and maintain records of the amount of fuel combusted by each boiler during each operating day.

(b) In accordance with 40 C.F.R. Section 63.48c(g)(2), as an alternative to meeting the requirements of 40 C.F.R. Section 63.48c(g)(1) and Condition (a) of this Condition # 009, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in §60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

(c) In accordance with 40 C.F.R. Section 63.48c(g)(3), as an alternative to meeting the requirements of 40 C.F.R. Section 63.48c(g)(1) and Condition (a) of this Condition # 009, the owner or operator of an affected facility or multiple affected facilities located on a contiguous property unit where the only fuels combusted in any steam generating unit (including steam generating units not subject to this subpart) at that property are natural gas, wood, distillate oil meeting the most current requirements in §60.42C to use fuel certification to demonstrate compliance with the SO₂ standard, and / or fuels, excluding coal and residual oil, not subject to an emissions standard (excluding opacity) may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month.

V. REPORTING REQUIREMENTS.

010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.48c]

Subpart Dc - Standards of Performance for Small Industrial- Commercial-Institutional Steam Generating Units Reporting and recordkeeping requirements.

The permittee shall comply with the following recordkeeping and reporting requirements:

(a) In accordance with 40 C.F.R. Section 63.48c(j), the reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period.

(b) Pursuant to 40 C.F.R. Section 60.4, the permittee shall submit all requests, reports, applications, submittals, and other communications to both the Environmental Protection Agency (EPA) and the Department. The EPA and the Department copies shall be forwarded to:

Director
Air Protection Division
U.S. EPA, Region III

SECTION D. Source Level Requirements

1650 Arch Street
Philadelphia, PA 19103-2029

Air Quality Program Manager
Pennsylvania Department of Environmental Protection
Bureau of Air Quality
2 East Main Street
Norristown, PA 19401

VI. WORK PRACTICE REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The combustion units and the associated devices shall be:

- (a) Operated in such manner as not to cause air pollution.
- (b) Operated and maintained in a manner consistent with good operating and maintenance practices.
- (c) Operated and maintained in accordance with the manufacturer's specifications and the applicable terms and conditions in this Section.

VII. ADDITIONAL REQUIREMENTS.

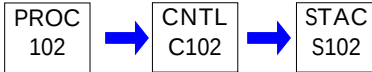
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 102

Source Name: PAINT BOOTH (P-2)

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not apply to aerospace vehicles or components, aerospace primers, aerospace topcoats and chemical milling maskants, including VOC-containing materials added to the original aerospace primer, aerospace topcoat or chemical milling maskant supplied by the manufacturer, that contain VOCs in excess of the limits specified in Section G, (b) Table I.

(1) Aerospace primers, aerospace topcoats and chemical milling maskants that meet the definition of a specific aerospace coating in Section G, (b) Table I, (1) through (42) shall meet those allowable coating VOC limits.

(2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general aerospace coating VOC limits specified in Section G, (b) Table I, (43) for primers, topcoats, and chemical milling maskants.

(b) All non-aerospace coatings must comply with the emission limits specified in 25 Pa. Code Section 129.52, Table I, 10(f) extreme performance coatings.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.02 grains per dry standard cubic foot.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Prior to exhausting the air stream from this operation to the atmosphere, the air stream shall be passed through a three-stage dry particulate filter. The air stream exiting the three-stage dry particulate filter must meet the emission restriction specified in Condition # 002 (a) above.

(b) The following requirements shall also be met:

- (1) The Permittee shall maintain the exhaust system in good working order.
- (2) The Permittee shall ensure that each stage of the three-stage particulate filters is in place with no visible gaps.
- (3) The Permittee shall maintain a sufficient amount of spare filters on hand at this facility.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (1) Volatile matter content.
- (2) Water content.
- (3) Density.
- (4) Volume solids.
- (5) Weight solids.

(b) The Permittee shall test each coating for each delivery, except those that are delivered having the same lot or batch number

SECTION D. Source Level Requirements

that have been previously tested.

(c) The above testing requirements shall be waived if the Permittee maintains detailed records of shipping receipts and Material Data Safety Sheets that show density, volatile matter content, water content and percent solids, provided by the manufacturer for all solvent-borne materials.

(d) If compliance with above condition (a) or (c) has been demonstrated, and the coating is altered prior to use with a VOC-containing thinner, the Permittee shall perform calculations or testing to demonstrate that compliance is still maintained with the, as applied, coating limits in Section G, (b) Table I of this Plan Approval and 25 Pa. Code Section 129.52 Table I 10(f) extreme performance coatings, if applicable.

(e) Each HVLP spray system shall have a test gauge air cap to show that each HVLP spray system is operating at less than 10.0 psig (air cap pressure). Each test gauge air cap must match the specific HVLP spray tip for that system being tested. The HVLP spray guns shall be tested once per quarter.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall operate a pressure differential measuring device for measuring the pressure differential across the dry particulate filter.

(b) The Permittee shall maintain a minimum pressure drop across the three-stage filters to indicate proper operation of the filters.

(c) The Permittee shall continuously monitor the pressure drop across the dry particulate filter and read the pressure drop once per shift, while the source is operating.

(d) The Permittee shall maintain a pressure drop across the three-stage filters within normal range of operation which is between 0.1 and 3.0 inches of water gage.

(e) If the pressure drop across the dry particulate filter is outside the normal range of operation the source shall be shutdown immediately until corrective actions have been taken. The operation shall not be resumed until the pressure drop is returned within the normal range of operation.

(f) The Permittee shall inspect the three-stage particulate filters daily for gaps and /or holes to ensure the filters are in place with no visible gaps.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall maintain daily records of the following parameters for each primer, coating, topcoat, chemical milling maskant and other component as supplied:

- (1) The coating, thinner or component name and identification number.
- (2) The volume used.
- (3) The mix ratio.
- (4) The density or specific gravity.
- (5) The weight percent of total volatiles, water, solids and exempt solvents.
- (6) The VOC content of each coating, thinner and other component as supplied.

(b) The Permittee shall maintain a current list of as applied coatings in use showing VOC content of each as applied coating and VOC usage on a monthly and annual basis.

(c) The Permittee shall maintain a current list of clean-up solvents used, to include their VOC content and solvent density,

SECTION D. Source Level Requirements

along with their monthly and annual usage for clean-up solvents.

(d) The Permittee shall record the inspections required in Conditions #005(c) and #005(f) once per shift.

(e) The Permittee shall maintain a monthly and annual record of VOC, and HAP emissions. These records shall be maintained in a logbook and made readily available for the Department's review.

(f) The Permittee shall keep a record of training, as required in Section D, Condition VI, #007(f), provided to each employee. The record shall also include the date each employee was trained.

(g) The Permittee shall record the date, and paint booth number, when the three-stage particulate filters, required in Section D, Condition I #003 (a), are replaced with new filters.

(h) Records required under this Operating Permit shall be kept for a period of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall use the following application techniques in applying primers, coatings, topcoats, and chemical milling maskants to aerospace vehicles or components and non-aerospace coatings:

- (1) High volume low pressure (HVLP) spraying.
- (2) Airless (Applies only to non VOC chemical mill maskant).

(b) The following situations are exempt from application equipment requirements listed in Paragraph (a):

- (1) Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly apply coatings to limited access spaces.
- (2) The application of specialty coatings.
- (3) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
- (4) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) when the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
- (5) The use of airbrush application methods for stenciling, lettering and other identification markings.
- (6) The use of hand-held spray can application methods.
- (7) Touch-up and repair operations.

(c) Spray guns used to apply aerospace coatings shall be cleaned by one of the following:

- (1) An enclosed spray gun cleaning system that is kept closed when not in use. Leaks, including visible leakage, misting and clouding, shall be repaired within 14 days from when the leak is first discovered. Each owner or operator using an enclosed spray gun cleaner shall visually inspect the seals and all other potential sources of leaks at least once per month. The results of each inspection shall be recorded, and the record shall indicate the date of the inspection, the person who conducted the inspection, whether components were leaking and how and when the leak(s) was repaired. Records of the inspections shall be maintained for at least 2 years. Each inspection shall occur while the spray gun cleaner is in operation. If the leak is not repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the leak is repaired or its use is permanently discontinued.

SECTION D. Source Level Requirements

- (2) Unatomized discharge of solvent into a waste container that is kept closed when not in use.
 - (3) Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.
 - (4) Atomized spray into a waste container that is fitted with a device designed to capture atomized solvent emissions.
- (d) Cleaning solvents, except for semi-aqueous cleaning solvents, used in the cleaning of aerospace vehicles, components, parts and assemblies and coating unit components, shall be emptied into an enclosed container or collection system that is kept closed when not in use.
- (e) The Permittee shall implement the following good housekeeping measures in the; coating booths, areas surrounding the coating booths and coating and solvent storage areas.
- (1) Fresh and used solvents and coatings, except aqueous solvents and coatings, shall be stored in non-absorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying.
 - (2) Cloth or paper, or other absorbent applicators, moistened with solvents or coatings, except aqueous solvents and coatings, shall be stored in closed, nonabsorbent, nonleaking containers.
 - (3) Handling and transfer procedures shall minimize spills during filling and transferring solvents and coatings, except aqueous solvents and coatings, to or from enclosed systems, vats, waste containers and other cleaning operation equipment that holds or stores fresh or used solvents and coatings.
- (f) The Permittee shall conduct introductory training to new employees, and annual refresher training to existing employees, who are involved in surface coating operations, to include the following:
- (1) Appropriate surface coating application techniques.
 - (2) Appropriate hand-wipe cleaning and wash off procedures.
 - (3) Appropriate equipment setup and adjustment to minimize coating usage and over spray.
 - (4) HVLP test cap procedures.
 - (5) Appropriate management of cleanup wastes.
 - (6) Appropriate techniques for handling, transfer and storage of solvents and coatings.

VII. ADDITIONAL REQUIREMENTS.

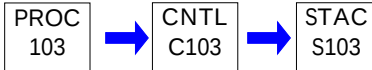
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 103

Source Name: PAA PRIME BOOTH (P-3)

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not apply to aerospace vehicles or components, aerospace primers, aerospace topcoats and chemical milling maskants, including VOC-containing materials added to the original aerospace primer, aerospace topcoat or chemical milling maskant supplied by the manufacturer, that contain VOCs in excess of the limits specified in Section G, (b) Table I.

(1) Aerospace primers, aerospace topcoats and chemical milling maskants that meet the definition of a specific aerospace coating in Section G, (b) Table I, (1) through (42) shall meet those allowable coating VOC limits.

(2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general aerospace coating VOC limits specified in Section G, (b) Table I, (43) for primers, topcoats, and chemical milling maskants.

(b) All non-aerospace coatings must comply with the emission limits specified in 25 Pa. Code Section 129.52, Table I, 10(f) extreme performance coatings.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.02 grains per dry standard cubic foot.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Prior to exhausting the air stream from this operation to the atmosphere, the air stream shall be passed through a three-stage dry particulate filter. The air stream exiting the three-stage dry particulate filter must meet the emission restriction specified in Condition # 002 (a) above.

(b) The following requirements shall also be met:

- (1) The Permittee shall maintain the exhaust system in good working order.
- (2) The Permittee shall ensure that each stage of the three-stage particulate filters is in place with no visible gaps.
- (3) The Permittee shall maintain a sufficient amount of spare filters on hand at this facility.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (1) Volatile matter content.
- (2) Water content.
- (3) Density.
- (4) Volume solids.
- (5) Weight solids.

SECTION D. Source Level Requirements

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

(c) The above testing requirements shall be waived if the Permittee maintains detailed records of shipping receipts and Material Data Safety Sheets that show density, volatile matter content, water content and percent solids, provided by the manufacturer for all solvent-borne materials.

(d) If compliance with above condition (a) or (c) has been demonstrated, and the coating is altered prior to use with a VOC-containing thinner, the Permittee shall perform calculations or testing to demonstrate that compliance is still maintained with the, as applied, coating limits in Section G, (b) Table I of this Plan Approval and 25 Pa. Code Section 129.52 Table I 10(f) extreme performance coatings, if applicable.

(e) Each HVLP spray system shall have a test gauge air cap to show that each HVLP spray system is operating at less than 10.0 psig (air cap pressure). Each test gauge air cap must match the specific HVLP spray tip for that system being tested. The HVLP spray guns shall be tested once per quarter.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall operate a pressure differential measuring device for measuring the pressure differential across the dry particulate filter.

(b) The Permittee shall maintain a minimum pressure drop across the three-stage filters to indicate proper operation of the filters.

(c) The Permittee shall continuously monitor the pressure drop across the dry particulate filter and read the pressure drop once per shift, while the source is operating.

(d) The Permittee shall maintain a pressure drop across the three-stage filters within normal range of operation which is between 0.1 and 3.0 inches of water gage.

(e) If the pressure drop across the dry particulate filter is outside the normal range of operation the source shall be shutdown immediately until corrective actions have been taken. The operation shall not be resumed until the pressure drop is returned within the normal range of operation.

(f) The Permittee shall inspect the three-stage particulate filters daily for gaps and/or holes to ensure the filters are in place with no visible gaps.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall maintain daily records of the following parameters for each primer, coating, topcoat, chemical milling maskant and other component as supplied:

- (1) The coating, thinner or component name and identification number.
- (2) The volume used.
- (3) The mix ratio.
- (4) The density or specific gravity.
- (5) The weight percent of total volatiles, water, solids and exempt solvents.
- (6) The VOC content of each coating, thinner and other component as supplied.

(b) The Permittee shall maintain a current list of as applied coatings in use showing VOC content of each as applied coating and VOC usage on a monthly and annual basis.

SECTION D. Source Level Requirements

- (c) The Permittee shall maintain a current list of clean-up solvents used, to include their VOC content and solvent density, along with their monthly and annual usage for clean-up solvents.
- (d) The Permittee shall record the inspections required in Conditions #005(c) and #005(f) once per shift.
- (e) The Permittee shall maintain a monthly and annual record of VOC, and HAP emissions. These records shall be maintained in a logbook and made readily available for the Department's review.
- (f) The Permittee shall keep a record of training, as required in Section D, Condition VI, #007(f), provided to each employee. The record shall also include the date each employee was trained.
- (g) The Permittee shall record the date, and paint booth number, when the three-stage particulate filters, required in Section D, Condition I #003 (a), are replaced with new filters.
- (h) Records required under this Operating Permit shall be kept for a period of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The Permittee shall use the following application techniques in applying primers, coatings, topcoats, and chemical milling maskants to aerospace vehicles or components and non-aerospace coatings:
 - (1) High volume low pressure (HVLP) spraying.
 - (2) Airless (Applies only to non VOC chemical mill maskant).
- (b) The following situations are exempt from application equipment requirements listed in Paragraph (a):
 - (1) Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly apply coatings to limited access spaces.
 - (2) The application of specialty coatings.
 - (3) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
 - (4) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) when the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
 - (5) The use of airbrush application methods for stenciling, lettering and other identification markings.
 - (6) The use of hand-held spray can application methods.
 - (7) Touch-up and repair operations.
- (c) Spray guns used to apply aerospace coatings shall be cleaned by one of the following:
 - (1) An enclosed spray gun cleaning system that is kept closed when not in use. Leaks, including visible leakage, misting and clouding, shall be repaired within 14 days from when the leak is first discovered. Each owner or operator using an enclosed spray gun cleaner shall visually inspect the seals and all other potential sources of leaks at least once per month. The results of each inspection shall be recorded, and the record shall indicate the date of the inspection, the person who conducted the inspection, whether components were leaking and how and when the leak(s) was repaired. Records of the inspections shall be maintained for at least 2 years. Each inspection shall occur while the spray gun cleaner is in operation. If the leak is not repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the

SECTION D. Source Level Requirements

leak is repaired or its use is permanently discontinued.

(2) Unatomized discharge of solvent into a waste container that is kept closed when not in use.

(3) Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.

(4) Atomized spray into a waste container that is fitted with a device designed to capture atomized solvent emissions.

(d) Cleaning solvents, except for semi-aqueous cleaning solvents, used in the cleaning of aerospace vehicles, components, parts and assemblies and coating unit components, shall be emptied into an enclosed container or collection system that is kept closed when not in use.

(e) The Permittee shall implement the following good housekeeping measures in the; coating booths, areas surrounding the coating booths and coating and solvent storage areas.

(1) Fresh and used solvents and coatings, except aqueous solvents and coatings, shall be stored in non-absorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying.

(2) Cloth or paper, or other absorbent applicators, moistened with solvents or coatings, except aqueous solvents and coatings, shall be stored in closed, nonabsorbent, nonleaking containers.

(3) Handling and transfer procedures shall minimize spills during filling and transferring solvents and coatings, except aqueous solvents and coatings, to or from enclosed systems, vats, waste containers and other cleaning operation equipment that holds or stores fresh or used solvents and coatings.

(f) The Permittee shall conduct introductory training to new employees, and annual refresher training to existing employees, who are involved in surface coating operations, to include the following:

(1) Appropriate surface coating application techniques.

(2) Appropriate hand-wipe cleaning and wash off procedures.

(3) Appropriate equipment setup and adjustment to minimize coating usage and over spray.

(4) HVLP test cap procedures.

(5) Appropriate management of cleanup wastes.

(6) Appropriate techniques for handling, transfer and storage of solvents and coatings.

VII. ADDITIONAL REQUIREMENTS.

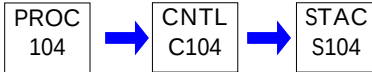
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 104

Source Name: POWDER COAT BOOTH (P-4)

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not apply to aerospace vehicles or components, aerospace primers, aerospace topcoats and chemical milling maskants, including VOC-containing materials added to the original aerospace primer, aerospace topcoat or chemical milling maskant supplied by the manufacturer, that contain VOCs in excess of the limits specified in Section G, (b) Table I.

(1) Aerospace primers, aerospace topcoats and chemical milling maskants that meet the definition of a specific aerospace coating in Section G, (b) Table I, (1) through (42) shall meet those allowable coating VOC limits.

(2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general aerospace coating VOC limits specified in Section G, (b) Table I, (43) for primers, topcoats, and chemical milling maskants.

(b) All non-aerospace coatings must comply with the emission limits specified in 25 Pa. Code Section 129.52, Table I, 10(f) extreme performance coatings.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.02 grains per dry standard cubic foot.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Prior to exhausting the air stream from this operation to the atmosphere, the air stream shall be passed through a three-stage dry particulate filter. The air stream exiting the three-stage dry particulate filter must meet the emission restriction specified in Condition # 002 (a) above.

(b) The following requirements shall also be met:

(1) The Permittee shall maintain the exhaust system in good working order.

(2) The Permittee shall ensure that each stage of the three-stage particulate filters is in place with no visible gaps.

(3) The Permittee shall maintain a sufficient amount of spare filters on hand at this facility.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(1) Volatile matter content.

(2) Water content.

(3) Density.

(4) Volume solids.

(5) Weight solids.

SECTION D. Source Level Requirements

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

(c) The above testing requirements shall be waived if the Permittee maintains detailed records of shipping receipts and Material Data Safety Sheets that show density, volatile matter content, water content and percent solids, provided by the manufacturer for all solvent-borne materials.

(d) If compliance with above condition (a) or (c) has been demonstrated, and the coating is altered prior to use with a VOC-containing thinner, the Permittee shall perform calculations or testing to demonstrate that compliance is still maintained with the, as applied, coating limits in Section G, (b) Table I of this Plan Approval and 25 Pa. Code Section 129.52 Table I 10(f) extreme performance coatings, if applicable.

(e) Each HVLP spray system shall have a test gauge air cap to show that each HVLP spray system is operating at less than 10.0 psig (air cap pressure). Each test gauge air cap must match the specific HVLP spray tip for that system being tested. The HVLP spray guns shall be tested once per quarter.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall operate a pressure differential measuring device for measuring the pressure differential across the dry particulate filter.

(b) The Permittee shall maintain a minimum pressure drop across the three-stage filters to indicate proper operation of the filters.

(c) The Permittee shall continuously monitor the pressure drop across the dry particulate filter and read the pressure drop once per shift, while the source is operating.

(d) The Permittee shall maintain a pressure drop across the three-stage filters within normal range of operation which is between 0.1 and 3.0 inches of water gage.

(e) If the pressure drop across the dry particulate filter is outside the normal range of operation the source shall be shutdown immediately until corrective actions have been taken. The operation shall not be resumed until the pressure drop is returned within the normal range of operation.

(f) The Permittee shall inspect the three-stage particulate filters daily for gaps and/or holes to ensure the filters are in place with no visible gaps.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall maintain daily records of the following parameters for each primer, coating, topcoat, chemical milling maskant and other component as supplied:

- (1) The coating, thinner or component name and identification number.
- (2) The volume used.
- (3) The mix ratio.
- (4) The density or specific gravity.
- (5) The weight percent of total volatiles, water, solids and exempt solvents.
- (6) The VOC content of each coating, thinner and other component as supplied.

(b) The Permittee shall maintain a current list of as applied coatings in use showing VOC content of each as applied coating and VOC usage on a monthly and annual basis.

SECTION D. Source Level Requirements

- (c) The Permittee shall maintain a current list of clean-up solvents used, to include their VOC content and solvent density, along with their monthly and annual usage for clean-up solvents.
- (d) The Permittee shall record the inspections required in Conditions #005(c) and #005(f) once per shift.
- (e) The Permittee shall maintain a monthly and annual record of VOC, and HAP emissions. These records shall be maintained in a logbook and made readily available for the Department's review.
- (f) The Permittee shall keep a record of training, as required in Section D, Condition VI, #007(f), provided to each employee. The record shall also include the date each employee was trained.
- (g) The Permittee shall record the date, and paint booth number, when the three-stage particulate filters, required in Section D, Condition I #003 (a), are replaced with new filters.
- (h) Records required under this Operating Permit shall be kept for a period of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The Permittee shall use the following application techniques in applying primers, coatings, topcoats, and chemical milling maskants to aerospace vehicles or components and non-aerospace coatings:
- (1) High volume low pressure (HVLP) spraying.
 - (2) Airless (Applies only to non VOC chemical mill maskant).
- (b) The following situations are exempt from application equipment requirements listed in Paragraph (a):
- (1) Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly apply coatings to limited access spaces.
 - (2) The application of specialty coatings.
 - (3) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
 - (4) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) when the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
 - (5) The use of airbrush application methods for stenciling, lettering and other identification markings.
 - (6) The use of hand-held spray can application methods.
 - (7) Touch-up and repair operations.
- (c) Spray guns used to apply aerospace coatings shall be cleaned by one of the following:
- (1) An enclosed spray gun cleaning system that is kept closed when not in use. Leaks, including visible leakage, misting and clouding, shall be repaired within 14 days from when the leak is first discovered. Each owner or operator using an enclosed spray gun cleaner shall visually inspect the seals and all other potential sources of leaks at least once per month. The results of each inspection shall be recorded, and the record shall indicate the date of the inspection, the person who conducted the inspection, whether components were leaking and how and when the leak(s) was repaired. Records of the inspections shall be maintained for at least 2 years. Each inspection shall occur while the spray gun cleaner is in operation. If the leak is not repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the

SECTION D. Source Level Requirements

leak is repaired or its use is permanently discontinued.

(2) Unatomized discharge of solvent into a waste container that is kept closed when not in use.

(3) Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.

(4) Atomized spray into a waste container that is fitted with a device designed to capture atomized solvent emissions.

(d) Cleaning solvents, except for semi-aqueous cleaning solvents, used in the cleaning of aerospace vehicles, components, parts and assemblies and coating unit components, shall be emptied into an enclosed container or collection system that is kept closed when not in use.

(e) The Permittee shall implement the following good housekeeping measures in the; coating booths, areas surrounding the coating booths and coating and solvent storage areas.

(1) Fresh and used solvents and coatings, except aqueous solvents and coatings, shall be stored in non-absorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying.

(2) Cloth or paper, or other absorbent applicators, moistened with solvents or coatings, except aqueous solvents and coatings, shall be stored in closed, nonabsorbent, nonleaking containers.

(3) Handling and transfer procedures shall minimize spills during filling and transferring solvents and coatings, except aqueous solvents and coatings, to or from enclosed systems, vats, waste containers and other cleaning operation equipment that holds or stores fresh or used solvents and coatings.

(f) The Permittee shall conduct introductory training to new employees, and annual refresher training to existing employees, who are involved in surface coating operations, to include the following:

(1) Appropriate surface coating application techniques.

(2) Appropriate hand-wipe cleaning and wash off procedures.

(3) Appropriate equipment setup and adjustment to minimize coating usage and over spray.

(4) HVLP test cap procedures.

(5) Appropriate management of cleanup wastes.

(6) Appropriate techniques for handling, transfer and storage of solvents and coatings.

VII. ADDITIONAL REQUIREMENTS.

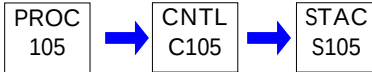
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 105

Source Name: FLAT LINE SPRAY BOOTH (P-5)

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not apply to aerospace vehicles or components, aerospace primers, aerospace topcoats and chemical milling maskants, including VOC-containing materials added to the original aerospace primer, aerospace topcoat or chemical milling maskant supplied by the manufacturer, that contain VOCs in excess of the limits specified in Section G, (b) Table I.

(1) Aerospace primers, aerospace topcoats and chemical milling maskants that meet the definition of a specific aerospace coating in Section G, (b) Table I, (1) through (42) shall meet those allowable coating VOC limits.

(2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general aerospace coating VOC limits specified in Section G, (b) Table I, (43) for primers, topcoats, and chemical milling maskants.

(b) All non-aerospace coatings must comply with the emission limits specified in 25 Pa. Code Section 129.52, Table I, 10(f) extreme performance coatings.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.02 grains per dry standard cubic foot.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Prior to exhausting the air stream from this operation to the atmosphere, the air stream shall be passed through a three-stage dry particulate filter. The air stream exiting the three-stage dry particulate filter must meet the emission restriction specified in Condition # 002 (a) above.

(b) The following requirements shall also be met:

(1) The Permittee shall maintain the exhaust system in good working order.

(2) The Permittee shall ensure that each stage of the three-stage particulate filters is in place with no visible gaps.

(3) The Permittee shall maintain a sufficient amount of spare filters on hand at this facility.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(1) Volatile matter content.

(2) Water content.

(3) Density.

(4) Volume solids.

(5) Weight solids.

SECTION D. Source Level Requirements

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

(c) The above testing requirements shall be waived if the Permittee maintains detailed records of shipping receipts and Material Data Safety Sheets that show density, volatile matter content, water content and percent solids, provided by the manufacturer for all solvent-borne materials.

(d) If compliance with above condition (a) or (c) has been demonstrated, and the coating is altered prior to use with a VOC-containing thinner, the Permittee shall perform calculations or testing to demonstrate that compliance is still maintained with the, as applied, coating limits in Section G, (b) Table I of this Plan Approval and 25 Pa. Code Section 129.52 Table I 10(f) extreme performance coatings, if applicable.

(e) Each HVLP spray system shall have a test gauge air cap to show that each HVLP spray system is operating at less than 10.0 psig (air cap pressure). Each test gauge air cap must match the specific HVLP spray tip for that system being tested. The HVLP spray guns shall be tested once per quarter.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall operate a pressure differential measuring device for measuring the pressure differential across the dry particulate filter.

(b) The Permittee shall maintain a minimum pressure drop across the three-stage filters to indicate proper operation of the filters.

(c) The Permittee shall continuously monitor the pressure drop across the dry particulate filter and read the pressure drop once per shift, while the source is operating.

(d) The Permittee shall maintain a pressure drop across the three-stage filters within normal range of operation which is between 0.1 and 3.0 inches of water gage.

(e) If the pressure drop across the dry particulate filter is outside the normal range of operation the source shall be shutdown immediately until corrective actions have been taken. The operation shall not be resumed until the pressure drop is returned within the normal range of operation.

(f) The Permittee shall inspect the three-stage particulate filters daily for gaps and/or holes to ensure the filters are in place with no visible gaps.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall maintain daily records of the following parameters for each primer, coating, topcoat, chemical milling maskant and other component as supplied:

- (1) The coating, thinner or component name and identification number.
- (2) The volume used.
- (3) The mix ratio.
- (4) The density or specific gravity.
- (5) The weight percent of total volatiles, water, solids and exempt solvents.
- (6) The VOC content of each coating, thinner and other component as supplied.

(b) The Permittee shall maintain a current list of as applied coatings in use showing VOC content of each as applied coating and VOC usage on a monthly and annual basis.

SECTION D. Source Level Requirements

- (c) The Permittee shall maintain a current list of clean-up solvents used, to include their VOC content and solvent density, along with their monthly and annual usage for clean-up solvents.
- (d) The Permittee shall record the inspections required in Conditions #005(c) and #005(f) once per shift.
- (e) The Permittee shall maintain a monthly and annual record of VOC, and HAP emissions. These records shall be maintained in a logbook and made readily available for the Department's review.
- (f) The Permittee shall keep a record of training, as required in Section D, Condition VI, #007(f), provided to each employee. The record shall also include the date each employee was trained.
- (g) The Permittee shall record the date, and paint booth number, when the three-stage particulate filters, required in Section D, Condition I #003 (a), are replaced with new filters.
- (h) Records required under this Operating Permit shall be kept for a period of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall use the following application techniques in applying primers, coatings, topcoats, and chemical milling maskants to aerospace vehicles or components and non-aerospace coatings:

- (1) High volume low pressure (HVLP) spraying.
- (2) Airless (Applies only to non VOC chemical mill maskant).

(b) The following situations are exempt from application equipment requirements listed in Paragraph (a):

- (1) Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly apply coatings to limited access spaces.
- (2) The application of specialty coatings.
- (3) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
- (4) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) when the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
- (5) The use of airbrush application methods for stenciling, lettering and other identification markings.
- (6) The use of hand-held spray can application methods.
- (7) Touch-up and repair operations.

(c) Spray guns used to apply aerospace coatings shall be cleaned by one of the following:

- (1) An enclosed spray gun cleaning system that is kept closed when not in use. Leaks, including visible leakage, misting and clouding, shall be repaired within 14 days from when the leak is first discovered. Each owner or operator using an enclosed spray gun cleaner shall visually inspect the seals and all other potential sources of leaks at least once per month. The results of each inspection shall be recorded, and the record shall indicate the date of the inspection, the person who conducted the inspection, whether components were leaking and how and when the leak(s) was repaired. Records of the inspections shall be maintained for at least 2 years. Each inspection shall occur while the spray gun cleaner is in operation. If the leak is not

SECTION D. Source Level Requirements

repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the leak is repaired or its use is permanently discontinued.

- (2) Unatomized discharge of solvent into a waste container that is kept closed when not in use.
- (3) Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.
- (4) Atomized spray into a waste container that is fitted with a device designed to capture atomized solvent emissions.

(d) Cleaning solvents, except for semi-aqueous cleaning solvents, used in the cleaning of aerospace vehicles, components, parts and assemblies and coating unit components, shall be emptied into an enclosed container or collection system that is kept closed when not in use.

(e) The Permittee shall implement the following good housekeeping measures in the; coating booths, areas surrounding the coating booths and coating and solvent storage areas.

- (1) Fresh and used solvents and coatings, except aqueous solvents and coatings, shall be stored in non-absorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying.
- (2) Cloth or paper, or other absorbent applicators, moistened with solvents or coatings, except aqueous solvents and coatings, shall be stored in closed, nonabsorbent, nonleaking containers.
- (3) Handling and transfer procedures shall minimize spills during filling and transferring solvents and coatings, except aqueous solvents and coatings, to or from enclosed systems, vats, waste containers and other cleaning operation equipment that holds or stores fresh or used solvents and coatings.

(f) The Permittee shall conduct introductory training to new employees, and annual refresher training to existing employees, who are involved in surface coating operations, to include the following:

- (1) Appropriate surface coating application techniques.
- (2) Appropriate hand-wipe cleaning and wash off procedures.
- (3) Appropriate equipment setup and adjustment to minimize coating usage and over spray.
- (4) HVLP test cap procedures.
- (5) Appropriate management of cleanup wastes.
- (6) Appropriate techniques for handling, transfer and storage of solvents and coatings.

VII. ADDITIONAL REQUIREMENTS.

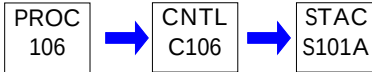
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 106

Source Name: PAINT BOOTH P-1A

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not apply to aerospace vehicles or components, aerospace primers, aerospace topcoats and chemical milling maskants, including VOC-containing materials added to the original aerospace primer, aerospace topcoat or chemical milling maskant supplied by the manufacturer, that contain VOCs in excess of the limits specified in Section G, (b) Table I.

(1) Aerospace primers, aerospace topcoats and chemical milling maskants that meet the definition of a specific aerospace coating in Section G, (b) Table I, (1) through (42) shall meet those allowable coating VOC limits.

(2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general aerospace coating VOC limits specified in Section G, (b) Table I, (43) for primers, topcoats, and chemical milling maskants.

(b) All non-aerospace coatings must comply with the emission limits specified in 25 Pa. Code Section 129.52, Table I, 10(f) extreme performance coatings.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.02 grains per dry standard cubic foot.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Prior to exhausting the air stream from this operation to the atmosphere, the air stream shall be passed through a three-stage dry particulate filter. The air stream exiting the three-stage dry particulate filter must meet the emission restriction specified in Condition # 002 (a) above.

(b) The following requirements shall also be met:

- (1) The Permittee shall maintain the exhaust system in good working order.
- (2) The Permittee shall ensure that each stage of the three-stage particulate filters is in place with no visible gaps.
- (3) The Permittee shall maintain a sufficient amount of spare filters on hand at this facility.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (1) Volatile matter content.
- (2) Water content.
- (3) Density.
- (4) Volume solids.
- (5) Weight solids.

SECTION D. Source Level Requirements

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

(c) The above testing requirements shall be waived if the Permittee maintains detailed records of shipping receipts and Material Data Safety Sheets that show density, volatile matter content, water content and percent solids, provided by the manufacturer for all solvent-borne materials.

(d) If compliance with above condition (a) or (c) has been demonstrated, and the coating is altered prior to use with a VOC-containing thinner, the Permittee shall perform calculations or testing to demonstrate that compliance is still maintained with the, as applied, coating limits in Section G, (b) Table I of this Plan Approval and 25 Pa. Code Section 129.52 Table I 10(f) extreme performance coatings, if applicable.

(e) Each HVLP spray system shall have a test gauge air cap to show that each HVLP spray system is operating at less than 10.0 psig (air cap pressure). Each test gauge air cap must match the specific HVLP spray tip for that system being tested. The HVLP spray guns shall be tested once per quarter.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall operate a pressure differential measuring device for measuring the pressure differential across the dry particulate filter.

(b) The Permittee shall maintain a minimum pressure drop across the three-stage filters to indicate proper operation of the filters.

(c) The Permittee shall continuously monitor the pressure drop across the dry particulate filter and read the pressure drop once per shift, while the source is operating.

(d) The Permittee shall maintain a pressure drop across the three-stage filters within normal range of operation which is between 0.1 and 3.0 inches of water gage.

(e) If the pressure drop across the dry particulate filter is outside the normal range of operation the source shall be shutdown immediately until corrective actions have been taken. The operation shall not be resumed until the pressure drop is returned within the normal range of operation.

(f) The Permittee shall inspect the three-stage particulate filters daily for gaps and/or holes to ensure the filters are in place with no visible gaps.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall maintain daily records of the following parameters for each primer, coating, topcoat, chemical milling maskant and other component as supplied:

- (1) The coating, thinner or component name and identification number.
- (2) The volume used.
- (3) The mix ratio.
- (4) The density or specific gravity.
- (5) The weight percent of total volatiles, water, solids and exempt solvents.
- (6) The VOC content of each coating, thinner and other component as supplied.

(b) The Permittee shall maintain a current list of as applied coatings in use showing VOC content of each as applied coating and VOC usage on a monthly and annual basis.

SECTION D. Source Level Requirements

- (c) The Permittee shall maintain a current list of clean-up solvents used, to include their VOC content and solvent density, along with their monthly and annual usage for clean-up solvents.
- (d) The Permittee shall record the inspections required in Conditions #005(c) and #005(f) once per shift.
- (e) The Permittee shall maintain a monthly and annual record of VOC, and HAP emissions. These records shall be maintained in a logbook and made readily available for the Department's review.
- (f) The Permittee shall keep a record of training, as required in Section D, Condition VI, #007(f), provided to each employee. The record shall also include the date each employee was trained.
- (g) The Permittee shall record the date, and paint booth number, when the three-stage particulate filters, required in Section D, Condition I #003 (a), are replaced with new filters.
- (h) Records required under this Operating Permit shall be kept for a period of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The Permittee shall use the following application techniques in applying primers, coatings, topcoats, and chemical milling maskants to aerospace vehicles or components and non-aerospace coatings:
- (1) High volume low pressure (HVLP) spraying.
 - (2) Airless (Applies only to non VOC chemical mill maskant).
- (b) The following situations are exempt from application equipment requirements listed in Paragraph (a):
- (1) Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly apply coatings to limited access spaces.
 - (2) The application of specialty coatings.
 - (3) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
 - (4) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) when the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
 - (5) The use of airbrush application methods for stenciling, lettering and other identification markings.
 - (6) The use of hand-held spray can application methods.
 - (7) Touch-up and repair operations.
- (c) Spray guns used to apply aerospace coatings shall be cleaned by one of the following:
- (1) An enclosed spray gun cleaning system that is kept closed when not in use. Leaks, including visible leakage, misting and clouding, shall be repaired within 14 days from when the leak is first discovered. Each owner or operator using an enclosed spray gun cleaner shall visually inspect the seals and all other potential sources of leaks at least once per month. The results of each inspection shall be recorded, and the record shall indicate the date of the inspection, the person who conducted the inspection, whether components were leaking and how and when the leak(s) was repaired. Records of the inspections shall be maintained for at least 2 years. Each inspection shall occur while the spray gun cleaner is in operation. If the leak is not repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the

SECTION D. Source Level Requirements

leak is repaired or its use is permanently discontinued.

(2) Unatomized discharge of solvent into a waste container that is kept closed when not in use.

(3) Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.

(4) Atomized spray into a waste container that is fitted with a device designed to capture atomized solvent emissions.

(d) Cleaning solvents, except for semi-aqueous cleaning solvents, used in the cleaning of aerospace vehicles, components, parts and assemblies and coating unit components, shall be emptied into an enclosed container or collection system that is kept closed when not in use.

(e) The Permittee shall implement the following good housekeeping measures in the; coating booths, areas surrounding the coating booths and coating and solvent storage areas.

(1) Fresh and used solvents and coatings, except aqueous solvents and coatings, shall be stored in non-absorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying.

(2) Cloth or paper, or other absorbent applicators, moistened with solvents or coatings, except aqueous solvents and coatings, shall be stored in closed, nonabsorbent, nonleaking containers.

(3) Handling and transfer procedures shall minimize spills during filling and transferring solvents and coatings, except aqueous solvents and coatings, to or from enclosed systems, vats, waste containers and other cleaning operation equipment that holds or stores fresh or used solvents and coatings.

(f) The Permittee shall conduct introductory training to new employees, and annual refresher training to existing employees, who are involved in surface coating operations, to include the following:

(1) Appropriate surface coating application techniques.

(2) Appropriate hand-wipe cleaning and wash off procedures.

(3) Appropriate equipment setup and adjustment to minimize coating usage and over spray.

(4) HVLP test cap procedures.

(5) Appropriate management of cleanup wastes.

(6) Appropriate techniques for handling, transfer and storage of solvents and coatings.

VII. ADDITIONAL REQUIREMENTS.

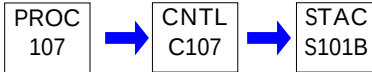
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 107

Source Name: PAINT BOOTH P-1B

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not apply to aerospace vehicles or components, aerospace primers, aerospace topcoats and chemical milling maskants, including VOC-containing materials added to the original aerospace primer, aerospace topcoat or chemical milling maskant supplied by the manufacturer, that contain VOCs in excess of the limits specified in Section G, (b) Table I.

(1) Aerospace primers, aerospace topcoats and chemical milling maskants that meet the definition of a specific aerospace coating in Section G, (b) Table I, (1) through (42) shall meet those allowable coating VOC limits.

(2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general aerospace coating VOC limits specified in Section G, (b) Table I, (43) for primers, topcoats, and chemical milling maskants.

(b) All non-aerospace coatings must comply with the emission limits specified in 25 Pa. Code Section 129.52, Table I, 10(f) extreme performance coatings.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall not permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.02 grains per dry standard cubic foot.

Control Device Efficiencies Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Prior to exhausting the air stream from this operation to the atmosphere, the air stream shall be passed through a three-stage dry particulate filter. The air stream exiting the three-stage dry particulate filter must meet the emission restriction specified in Condition # 002 (a) above.

(b) The following requirements shall also be met:

(1) The Permittee shall maintain the exhaust system in good working order.

(2) The Permittee shall ensure that each stage of the three-stage particulate filters is in place with no visible gaps.

(3) The Permittee shall maintain a sufficient amount of spare filters on hand at this facility.

II. TESTING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

(1) Volatile matter content.

(2) Water content.

(3) Density.

(4) Volume solids.

(5) Weight solids.

SECTION D. Source Level Requirements

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

(c) The above testing requirements shall be waived if the Permittee maintains detailed records of shipping receipts and Material Data Safety Sheets that show density, volatile matter content, water content and percent solids, provided by the manufacturer for all solvent-borne materials.

(d) If compliance with above condition (a) or (c) has been demonstrated, and the coating is altered prior to use with a VOC-containing thinner, the Permittee shall perform calculations or testing to demonstrate that compliance is still maintained with the, as applied, coating limits in Section G, (b) Table I of this Plan Approval and 25 Pa. Code Section 129.52 Table I 10(f) extreme performance coatings, if applicable.

(e) Each HVLP spray system shall have a test gauge air cap to show that each HVLP spray system is operating at less than 10.0 psig (air cap pressure). Each test gauge air cap must match the specific HVLP spray tip for that system being tested. The HVLP spray guns shall be tested once per quarter.

III. MONITORING REQUIREMENTS.

005 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall operate a pressure differential measuring device for measuring the pressure differential across the dry particulate filter.

(b) The Permittee shall maintain a minimum pressure drop across the three-stage filters to indicate proper operation of the filters.

(c) The Permittee shall continuously monitor the pressure drop across the dry particulate filter and read the pressure drop once per shift, while the source is operating.

(d) The Permittee shall maintain a pressure drop across the three-stage filters within normal range of operation which is between 0.1 and 3.0 inches of water gage.

(e) If the pressure drop across the dry particulate filter is outside the normal range of operation the source shall be shutdown immediately until corrective actions have been taken. The operation shall not be resumed until the pressure drop is returned within the normal range of operation.

(f) The Permittee shall inspect the three-stage particulate filters daily for gaps and/or holes to ensure the filters are in place with no visible gaps.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall maintain daily records of the following parameters for each primer, coating, topcoat, chemical milling maskant and other component as supplied:

- (1) The coating, thinner or component name and identification number.
- (2) The volume used.
- (3) The mix ratio.
- (4) The density or specific gravity.
- (5) The weight percent of total volatiles, water, solids and exempt solvents.
- (6) The VOC content of each coating, thinner and other component as supplied.

(b) The Permittee shall maintain a current list of as applied coatings in use showing VOC content of each as applied coating and VOC usage on a monthly and annual basis.

SECTION D. Source Level Requirements

- (c) The Permittee shall maintain a current list of clean-up solvents used, to include their VOC content and solvent density, along with their monthly and annual usage for clean-up solvents.
- (d) The Permittee shall record the inspections required in Conditions #005(c) and #005(f) once per shift.
- (e) The Permittee shall maintain a monthly and annual record of VOC, and HAP emissions. These records shall be maintained in a logbook and made readily available for the Department's review.
- (f) The Permittee shall keep a record of training, as required in Section D, Condition VI, #007(f), provided to each employee. The record shall also include the date each employee was trained.
- (g) The Permittee shall record the date, and paint booth number, when the three-stage particulate filters, required in Section D, Condition I #003 (a), are replaced with new filters.
- (h) Records required under this Operating Permit shall be kept for a period of five years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall use the following application techniques in applying primers, coatings, topcoats, and chemical milling maskants to aerospace vehicles or components and non-aerospace coatings:

- (1) High volume low pressure (HVLP) spraying.
- (2) Airless (Applies only to non VOC chemical mill maskant).

(b) The following situations are exempt from application equipment requirements listed in Paragraph (a):

- (1) Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly apply coatings to limited access spaces.
- (2) The application of specialty coatings.
- (3) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
- (4) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) when the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (a).
- (5) The use of airbrush application methods for stenciling, lettering and other identification markings.
- (6) The use of hand-held spray can application methods.
- (7) Touch-up and repair operations.

(c) Spray guns used to apply aerospace coatings shall be cleaned by one of the following:

- (1) An enclosed spray gun cleaning system that is kept closed when not in use. Leaks, including visible leakage, misting and clouding, shall be repaired within 14 days from when the leak is first discovered. Each owner or operator using an enclosed spray gun cleaner shall visually inspect the seals and all other potential sources of leaks at least once per month. The results of each inspection shall be recorded, and the record shall indicate the date of the inspection, the person who conducted the inspection, whether components were leaking and how and when the leak(s) was repaired. Records of the inspections shall be maintained for at least 2 years. Each inspection shall occur while the spray gun cleaner is in operation. If the leak is not repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the

SECTION D. Source Level Requirements

leak is repaired or its use is permanently discontinued.

(2) Unatomized discharge of solvent into a waste container that is kept closed when not in use.

(3) Disassembly of the spray gun and cleaning in a vat that is kept closed when not in use.

(4) Atomized spray into a waste container that is fitted with a device designed to capture atomized solvent emissions.

(d) Cleaning solvents, except for semi-aqueous cleaning solvents, used in the cleaning of aerospace vehicles, components, parts and assemblies and coating unit components, shall be emptied into an enclosed container or collection system that is kept closed when not in use.

(e) The Permittee shall implement the following good housekeeping measures in the; coating booths, areas surrounding the coating booths and coating and solvent storage areas.

(1) Fresh and used solvents and coatings, except aqueous solvents and coatings, shall be stored in non-absorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying.

(2) Cloth or paper, or other absorbent applicators, moistened with solvents or coatings, except aqueous solvents and coatings, shall be stored in closed, nonabsorbent, nonleaking containers.

(3) Handling and transfer procedures shall minimize spills during filling and transferring solvents and coatings, except aqueous solvents and coatings, to or from enclosed systems, vats, waste containers and other cleaning operation equipment that holds or stores fresh or used solvents and coatings.

(f) The Permittee shall conduct introductory training to new employees, and annual refresher training to existing employees, who are involved in surface coating operations, to include the following:

(1) Appropriate surface coating application techniques.

(2) Appropriate hand-wipe cleaning and wash off procedures.

(3) Appropriate equipment setup and adjustment to minimize coating usage and over spray.

(4) HVLP test cap procedures.

(5) Appropriate management of cleanup wastes.

(6) Appropriate techniques for handling, transfer and storage of solvents and coatings.

VII. ADDITIONAL REQUIREMENTS.

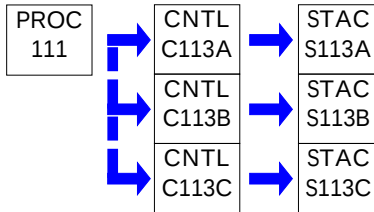
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 111

Source Name: PHOSPHORIC ANODIZING (401,403,406)

Source Capacity / Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) Particulate matter emissions from the phosphoric anodizing tanks, after control, shall not exceed 0.02 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall maintain a pressure drop range across the packed-bed scrubbers of between 1.0 and 7.0 inches water column.

(b) The Permittee shall monitor the pressure drop across the packed-bed scrubber once per day, while the packed-bed scrubbers are operating.

(c) The monitoring equipment shall be installed such that representative measurements of process parameters from the affected source are obtained. For monitoring equipment purchased from a vendor, verification of the operational status of the monitoring equipment shall include execution of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall maintain the following records:

(1) Daily inspection records for the packed-bed scrubbers documenting that the inspection, required in Condition #002(b) in this section, has taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, the pressure drop, and any actions taken to correct deficiencies found during the inspection.

(2) Records of all maintenance performed on the phosphoric anodizing tanks, packed-bed scrubbers, and monitoring equipment.

(3) Records of the occurrence, duration, and cause of each malfunction of phosphoric anodizing tanks, packed-bed scrubbers, and monitoring equipment.



SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) At all times, including periods of startup, shutdown, and malfunction, the Permittee shall operate and maintain the phosphoric anodizing tanks, including the packed-bed scrubbers and monitoring equipment, in a manner consistent with good air pollution control practices.

(1) Malfunctions shall be corrected as soon as practicable after their occurrence.

VII. ADDITIONAL REQUIREMENTS.

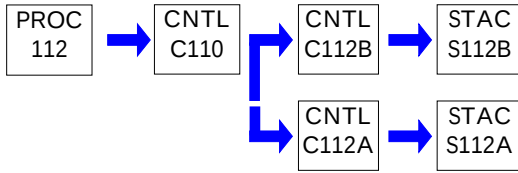
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 112

Source Name: CHROMIUM ANODIZING (203,205,207,211,214)

Source Capacity / Throughput:

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

001 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Standards.

[Additional authority for this Operating Permit condition is also derived from §40 CFR 63.344]

- (a) The Chromium anodizing tanks are regulated by applying maximum achievable control technology.
- (b) The Permittee shall limit Chromium emissions discharged to the atmosphere from the Chromium anodizing tanks to less than $4.4\text{E}-06$ gr / dscf.
- (c) The Permittee shall meet the above emission limit by using a chemical fume suppressant containing a wetting agent.
- (d) By using the chemical fume suppressant containing a wetting agent, the Permittee shall not allow the surface tension of the Chromium anodizing bath to exceed 45 dynes per centimeter (0.0031 pound-force per foot [lbf / ft]).
- (e) The Chromium anodizing bath surface tension limitation, in the condition above, applies during tank operation, and also applies during periods of startup and shutdown. The surface tension limitation does not apply during periods of malfunction, but the work practice standards that address operation and maintenance, in Conditions #006(a) and #006(b), must be followed during malfunctions.
- (f) Particulate matter emissions from all tanks in the Chromium anodizing process, after control, shall not exceed 0.02 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

002 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.344]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Performance test requirements and test methods.

[Additional authority for this Operating Permit condition is also derived from §40 CFR 63.343]

- (a) An initial performance test is not required for the Chromium anodizing tanks if the Permittee chooses 45 dynes/cm as the maximum surface tension of the Chromium anodizing bath in lieu of establishing a maximum surface tension during a performance test.
- (b) The Permittee shall use EPA test method 306B to measure the surface tension of the Chromium anodizing baths.

III. MONITORING REQUIREMENTS.

003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.343]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Compliance provisions.

SECTION D. Source Level Requirements

[Additional authority for this Operating Permit condition is also derived from §40 CFR 63.344]

(a) The Permittee shall conduct monitoring to demonstrate continuous compliance with the Conditions in this Operating Permit.

(b) Specifications for differential pressure measurement devices used to measure pressure drop across the packed-bed scrubbers shall be in accordance with the manufacturer's accuracy specifications.

(1) The Permittee shall maintain a pressure drop range across the packed-bed scrubbers of between 1 and 7 inches water column.

(2) The Permittee shall monitor the pressure drop across the packed-bed scrubbers once per shift, while the packed-bed scrubbers are operating.

(c) The Permittee shall monitor the surface tension of the Chromium anodizing baths.

(1) EPA Test method 306B, in 40 CFR Appendix A to Part 63 test methods, shall be used to measure the surface tension. Either a stalagmometer or a tensiometer shall be used to measure the surface tension.

(2) Verification of the operational status of the stalagmometer or tensiometer shall include execution of the manufacturer's written specifications or recommendations for installation, operation and calibration of the instrument.

(d) Operation of the Chromium anodizing tanks at a surface tension greater than 45 dynes/cm shall constitute noncompliance with this Operating Permit. The surface tension shall be monitored according to the following schedule:

(1) The surface tension shall be measured once every 4 hours during operation of the anodizing tanks.

(2) The time between monitoring can be increased if there have been no exceedances. The surface tension shall be measured once every 4 hours of tank operation for the first 40 hours of tank operation. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 8 hours of tank operation. Once there are no exceedances during 40 hours of tank operation, surface tension measurement may be conducted once every 40 hours of tank operation on an ongoing basis, until an exceedance occurs. The minimum frequency of monitoring allowed by this Operating Permit is once every 40 hours of tank operation.

(3) Once an exceedance occurs as indicated through surface tension monitoring, the original monitoring schedule of once every 4 hours must be resumed. A subsequent decrease in frequency shall follow the schedule laid out in paragraph (2) above. For example, if the Permittee had been monitoring an affected source once every 40 hours and an exceedance occurs, subsequent monitoring would take place once every 4 hours of tank operation. Once an exceedance does not occur for 40 hours of tank operation, monitoring can occur once every 8 hours of tank operation. Once an exceedance does not occur for 40 hours of tank operation on this schedule, monitoring can occur once every 40 hours of tank operation.

(4) Once a chromic bath solution is drained from the affected tank and new solution is added, the original monitoring schedule of once every 4 hours must be resumed, with a decrease in monitoring frequency allowed following the procedures of paragraphs (2) and (3) above.

(5) Chromium anodizing tank operating time is defined as the time in which current and /or voltage is being applied to the chromium anodizing tank.

IV. RECORDKEEPING REQUIREMENTS.

004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.346]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Recordkeeping requirements.

(a) The Permittee shall fulfill all recordkeeping requirements outlined in this Operating Permit and in the General Provisions to 40 CFR part 63, according to the applicability of Table 1 to Subpart N of Part 63.

SECTION D. Source Level Requirements

(b) The Permittee shall maintain the following records:

- (1) All documentation supporting the notifications and reports required by §40 CFR 63.9, 63.10, and this Operating Permit.
 - (2) Records of all maintenance performed on the Chromium anodizing tanks, fume suppressant containing a wetting agent, packed-bed scrubbers, and monitoring equipment.
 - (3) Records of the occurrence, duration, and cause (if known) of each malfunction of Chromium anodizing tanks, fume suppressant containing a wetting agent, packed-bed scrubbers, and monitoring equipment.
 - (4) Records of actions taken during periods of malfunction when such actions are inconsistent with the operation and maintenance plan.
 - (5) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the Chromium anodizing tanks, fume suppressant containing a wetting agent, packed bed scrubbers, or monitoring equipment.
 - (6) The ampere-hours of the Chromium anodizing tanks on a monthly basis in order to establish the tank operating time required in Condition #003(d).
 - (7) The Chromium emissions from the Chromium anodizing tanks on a monthly basis.
 - (8) The surface tension of the Chromium anodizing tanks when required to monitor the surface tension as indicated in Condition #003 (d).
 - (9) Records of the date and time that the fume suppressant containing a wetting agent is added to the Chromium anodizing baths.
 - (10) The Permittee shall maintain a record of the pressure drop across the packed-bed scrubbers once per day, while the packed-bed scrubbers are operating.
 - (11) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan required by this Operating Permit.
- (c) Records can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during an inspection.
- (d) All records shall be maintained for a period of 5 years.

V. REPORTING REQUIREMENTS.

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.347]
Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Reporting requirements.

(a) The Permittee shall fulfill all reporting requirements outlined in this Operating Permit and in the General Provisions to 40 CFR Part 63, as identified in Table 1 of 40 CFR Part 63 Subpart N. When required, these reports shall be sent to the Administrator.

(1) The Permittee shall submit an initial notification (in addition to the notification of construction as required in Condition #007(c)) as follows:

(i) A notification of the date when construction was commenced, shall be submitted no later than 30 calendar days after such date, and

SECTION D. Source Level Requirements

(ii) A notification of the actual date of startup of the source shall be submitted within 30 calendar days after such date.

(b) The Permittee shall prepare a summary report to document the ongoing compliance status of the affected source. The report shall contain the information identified in paragraph (1) below, and shall be completed annually and retained on site, and made available to the Administrator upon request.

(1) The summary report to document the ongoing compliance status of the Chromium anodizing tanks must contain the following information:

(i) The company name and address of the affected source.

(ii) An identification of the surface tension parameter being monitored.

(iii) The relevant emission limitation for the Chromium anodizing tanks, and the operating parameter that corresponds to compliance with this emission limitation.

(iv) The beginning and ending dates of the reporting period.

(v) A description of the type of process performed in the Chromium anodizing tanks.

(vi) The total operating time of the Chromium anodizing tanks during the reporting period.

(vii) A summary of operating parameter values, including the total duration of excess emissions during the reporting period as indicated by those values, the total duration of excess emissions expressed as a percent of the total source operating time during that reporting period, and a breakdown of the total duration of excess emissions during the reporting period into those that are due to process upsets, control equipment malfunctions, other known causes, and unknown causes.

(viii) A certification by a responsible official, as defined in §40 CFR 63.2, that the work practice standards required in this Plan Approval were followed in accordance with the operation and maintenance plan for the source.

(ix) If the operation and maintenance plan required by this Plan Approval was not followed, an explanation of the reasons for not following the provisions, an assessment of whether any excess emission and/or parameter monitoring exceedances are believed to have occurred, and a copy of the report(s), required by Condition #006(b)(3), documenting that the operation and maintenance plan was not followed.

(x) A description of any changes in monitoring, processes, or controls since the last reporting period.

(xi) The name, title, and signature of the responsible official who is certifying the accuracy of the report and the date of the report.

(2) Reports of exceedances.

(i) If the following condition occurs, semiannual summary reports shall be prepared and submitted to the Administrator:

(A) The total duration of excess emissions (as indicated by the surface tension data collected by the permittee in accordance with the monitoring requirements of the this Operating Permit) is 1 percent or greater of the total operating time for the reporting period; and

(ii) Once the Permittee reports an exceedance as defined in this section, ongoing compliance status reports shall be submitted semiannually until a request to reduce reporting frequency is approved.

(iii) The Administrator may determine on a case-by-case basis that the summary report shall be completed more frequently and submitted, or that the annual report shall be submitted instead of being retained on site, if these measures are necessary to accurately assess the compliance status of the Chromium anodizing tanks.

(3) Request to reduce frequency of ongoing compliance status reports.

SECTION D. Source Level Requirements

(i) If the Permittee is required to submit ongoing compliance status reports on a semiannual (or more frequent) basis, or is required to submit its annual report instead of retaining it on site, the Permittee may reduce the frequency of reporting to annual and /or be allowed to maintain the annual report onsite if all of the following conditions are met:

(A) For 1 full year (e.g., 2 semiannual or 4 quarterly reporting periods), the ongoing compliance status reports demonstrate that the Chromium anodizing tanks are in compliance with the relevant emission limit.

(B) The Permittee continues to comply with all applicable recordkeeping and monitoring requirements of 40 CFR Part 63 subpart A and this Operating Permit.

(C) The Administrator does not object to a reduced reporting frequency for the affected source.

(ii) The frequency of submitting ongoing compliance status reports may be reduced only after the Permittee notifies the Administrator in writing of his or her intention to make such a change, and the Administrator does not object to the intended change. In deciding whether to approve a reduced reporting frequency, the Administrator may review information concerning the source's previous performance history during the 5-year recordkeeping period prior to the intended change, or the recordkeeping period since the source's compliance date, whichever is shorter. Records subject to review may include performance test results, monitoring data, and evaluations of the Permittee's conformance with emission limitations and work practice standards. Such information may be used by the Administrator to make a judgment about the source's potential for noncompliance in the future. If the Administrator disapproves the Permittee's request to reduce reporting frequency, the Administrator will notify the Permittee in writing within 45 days after receiving notice of the Permittee's intention. The notification from the Administrator to the Permittee will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted.

(iii) As soon as the monitoring data required by the monitoring requirements of this Operating Permit show that the source is not in compliance with the relevant emission limit, the frequency of reporting shall revert to semiannual, and the Permittee shall state this accident in the ongoing compliance status report for the next reporting period. After demonstrating ongoing compliance with the relevant emission limit for another full year, the Permittee may again request approval from the Administrator to reduce the reporting frequency as allowed by this section.

VI. WORK PRACTICE REQUIREMENTS.

006 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.342]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.
Standards.

The work practice standards of this section address operation and maintenance.

(a) At all times, including periods of startup, shutdown, and malfunction, the Permittee shall operate and maintain the Chromium anodizing tanks, fume suppressant with a wetting agent, packed-bed scrubbers, and monitoring equipment, in a manner consistent with good air pollution control practices, consistent with the operation and maintenance plan required by Condition (b) below.

(1) Malfunctions shall be corrected as soon as practicable after their occurrence.

(2) Operation and maintenance requirements established pursuant to section 112 of the Act are enforceable independent of emissions limitations or other requirements in relevant standards.

(b) The Permittee shall comply with the operation and maintenance plan submitted to the Department and with this Operating Permit as approved herein.

(c) The standards in this section that apply to chromic acid baths shall not be met by using a reducing agent to change the form of chromium from hexavalent to trivalent.

Table 1 --Summary of Work Practice Standards

SECTION D. Source Level Requirements

Control technique	Work practice standards	Frequency

Packed-bed scrubber (PSB)	Visually inspect device to ensure there is proper drainage, no chromic acid buildup on the packed beds, and no evidence of chemical attack on the structural integrity of the device.	1/quarter
	Visually inspect back portion of the chevron blade mist eliminator to ensure that it is dry and there is no breakthrough of chromic acid mist.	1/quarter
	Visually inspect ductwork from the chromium anodizing tanks to the pack-bed scrubbers to ensure there are no leaks.	1/quarter
	Add fresh water as needed.	

Monitoring Equipment		

Pitot tube	Backflush with water, or remove from the duct and rinse with fresh water. Replace in the duct and rotate 180 degrees to ensure that the same zero reading is obtained. Check pitot tube ends for damage. Replace pitot tube if cracked or fatigued.	1/quarter.
Stalagmometer or Tensiometer	Follow manufacturers recommendations	

a If greater than 50 percent of the scrubber water is drained (e.g., for maintenance purposes), makeup water may be added to the scrubber basin.		
b For horizontal-flow scrubbers, top is defined as the section of the unit directly above the packing media such that the makeup water would flow perpendicular to the air flow through the packing. For vertical-flow units, the top is defined as the area downstream of the packing material such that the makeup water would flow countercurrent to the air flow through the unit.		

VII. ADDITIONAL REQUIREMENTS.

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.345]

Subpart N - National Emission Standards for Chromium Emissions from Hard and Decorative Electroplating and Chromium Anodizing Tanks.

Provisions for new and reconstructed sources.

(a) In addition to this condition, the Permittee is subject to the notification requirements of §40 CFR 63.5(a), (b)(1), (b)(5), (b)(6), and (f)(1).

SECTION D. Source Level Requirements

(b) No person may construct a new affected source or reconstruct an affected source subject to 40 CFR Part 63 Subpart N, or reconstruct a source such that it becomes an affected source subject to 40 CFR Part 63 Subpart N, without submitting a notification of construction or reconstruction to the Administrator.

(c) The Permittee shall submit a notification of construction to the Administrator as soon as practicable before the construction is planned to commence.

(1) The notification of construction or reconstruction shall include:

(i) The Permittee's name, title, and address.

(ii) The address (i.e., physical location) or proposed address of the affected source if different from the Permittees.

(iii) A notification of intention to construct a new affected source or make any physical or operational changes to an affected source that may meet or has been determined to meet the criteria for a reconstruction as defined in 40 CFR Part 63.2.

(iv) An identification of 40 CFR Part 63 Subpart N as the basis for the notification.

(v) The expected commencement and completion dates of the construction or reconstruction.

(vi) The anticipated date of (initial) startup of the affected source.

(vii) The type of process operation to be performed.

(viii) A description of the air pollution control technique to be used to control emissions from the affected source, such as preliminary design drawings and design capacity if an add-on air pollution control device is used.

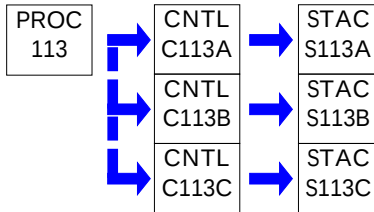
(ix) An estimate of emissions from the source based on engineering calculations and vendor information on control device efficiency, expressed in units consistent with the emission limits of 40 CFR Part 63 Subpart N. Calculations of emission estimates should be in sufficient detail to permit assessment of the validity of the calculations.

SECTION D. Source Level Requirements

Source ID: 113

Source Name: SULFURIC ANODIZING (119,121,124)

Source Capacity / Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) Particulate matter emissions from the sulfuric anodizing tanks, after control, shall not exceed 0.02 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall maintain a pressure drop range across the packed-bed scrubbers of between 1.0 and 7.0 inches water column.

(b) The Permittee shall monitor the pressure drop across the packed-bed scrubber once per day, while the packed-bed scrubbers are operating.

(c) The monitoring equipment shall be installed such that representative measurements of process parameters from the affected source are obtained. For monitoring equipment purchased from a vendor, verification of the operational status of the monitoring equipment shall include execution of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) The Permittee shall maintain the following records:

(1) Daily inspection records for the packed-bed scrubbers documenting that the inspection, required in Condition #002(b) in this section, has taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, the pressure drop, and any actions taken to correct deficiencies found during the inspection.

(2) Records of all maintenance performed on the sulfuric anodizing tanks, packed-bed scrubbers, and monitoring equipment.

(3) Records of the occurrence, duration, and cause of each malfunction of sulfuric anodizing tanks, packed-bed scrubbers, and monitoring equipment.

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

[Operating permit terms and conditions.](#)

(a) At all times, including periods of startup, shutdown, and malfunction, the Permittee shall operate and maintain the sulfuric anodizing tanks, including the packed-bed scrubbers and monitoring equipment, in a manner consistent with good air pollution control practices.

(1) Malfunctions shall be corrected as soon as practicable after their occurrence.

VII. ADDITIONAL REQUIREMENTS.

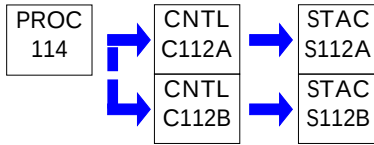
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 114

Source Name: BORIC SULFURIC ANODIZING (203, 207,216)

Source Capacity / Throughput:

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) Particulate matter emissions from the boric sulfuric anodizing tanks, after control, shall not exceed 0.02 grains per dry standard cubic foot.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall maintain a pressure drop across the packed-bed scrubbers of between 1.0 and 7.0 inches water column.

(b) The Permittee shall monitor the pressure drop across the packed-bed scrubber once per day, while the packed-bed scrubbers are operating.

(c) The monitoring equipment shall be installed such that representative measurements of process parameters from the affected source are obtained. For monitoring equipment purchased from a vendor, verification of the operational status of the monitoring equipment shall include execution of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the system.

IV. RECORDKEEPING REQUIREMENTS.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall maintain the following records:

(1) Daily inspection records for the packed-bed scrubbers documenting that the inspection, required in Condition #002(b) in this section, has taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, the pressure drop, and any actions taken to correct deficiencies found during the inspection.

(2) Records of all maintenance performed on the boric sulfuric anodizing tanks, packed-bed scrubbers, and monitoring equipment.

(3) Records of the occurrence, duration, and cause of each malfunction of boric sulfuric anodizing tanks, packed-bed scrubbers, and monitoring equipment.

SECTION D. Source Level Requirements

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) At all times, including periods of startup, shutdown, and malfunction, the Permittee shall operate and maintain the boric sulfuric anodizing tanks, including the packed-bed scrubbers and monitoring equipment, in a manner consistent with good air pollution control practices.

(1) Malfunctions shall be corrected as soon as practicable after their occurrence.

VII. ADDITIONAL REQUIREMENTS.

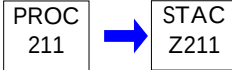
No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

SECTION D. Source Level Requirements

Source ID: 211

Source Name: CLEANUP SOLVENTS

Source Capacity / Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee may not use solvents for hand-wipe cleaning of any aerospace vehicles or components unless the cleaning solvents do one of the following:

- (1) Meet the definition of "aqueous cleaning solvent" in 25 Pa. Code Section 121.1 (relating to definitions).
- (2) Have a VOC composite vapor pressure less than or equal to 45 millimeters (mmHg) at 20C.
- (3) Is composed of a mixture of VOCs and has a maximum vapor pressure of 7 millimeters (mmHg) at 20C (3.75 inches water at 68F) and contains no hazardous air pollutants (HAP) or ozone depleting compounds.

(b) In this Operating Permit, the use of Methyl Ethyl Ketone (MEK) for hand-wipe cleaning is exempt from Condition (a) above. The amount of MEK used for hand-wipe cleaning shall not exceed 55 gallons per month on a facility wide basis and includes both aerospace and non-aerospace components.

(c) Cleaning solvents, except for aqueous cleaning solvents, used in the flush cleaning of vehicles, components, parts, and assemblies and coating unit components, shall be emptied into an enclosed container or collection system that is kept closed when not in use. Aqueous cleaning solvents are exempt from these 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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The Permittee shall record the amount of MEK used for hand-wipe cleaning on a monthly basis in a logbook or other recordkeeping method approved by the Department.

(b) The Permittee shall keep sufficient records for all cleaning solvents to show compliance with Condition #001(a) above. These records may take the form of a MSDS or CPDS.

V. REPORTING REQUIREMENTS.

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



SECTION D. Source Level Requirements

VI. WORK PRACTICE REQUIREMENTS.

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.

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



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION F. Emission Restriction Summary.

Source Id	Source Description		
031	TWO MIURA 300 HP BOILERS		
Emission Limit		Pollutant	
7.040	Tons/Yr	calculated as a 12-month rolling sum	CO
300.000	PPMV	dry, at 3% Oxygen	CO
0.460	Tons/Yr	calculated as a 12-month rolling sum	Hazardous Air Pollutants
2.680	Tons/Yr	calculated as a 12-month rolling sum	NOX
30.000	PPMV	dry, at 3% Oxygen	NOX
0.060	Tons/Yr	calculated as a 12-month rolling sum	SOX
1.000	Lbs/MMBTU		SOX
0.400	Lbs/MMBTU		TSP
0.460	Tons/Yr	calculated as a 12-month rolling sum	VOC
102	PAINT BOOTH (P-2)		
Emission Limit		Pollutant	
0.020	gr / DRY FT3		TSP
103	PAA PRIME BOOTH (P-3)		
Emission Limit		Pollutant	
0.020	gr / DRY FT3		TSP
104	POWDER COAT BOOTH (P-4)		
Emission Limit		Pollutant	
0.020	gr / DRY FT3		TSP
105	FLAT LINE SPRAY BOOTH (P-5)		
Emission Limit		Pollutant	
0.020	gr / DRY FT3		TSP
106	PAINT BOOTH P-1A		
Emission Limit		Pollutant	
0.020	gr / DRY FT3		TSP
107	PAINT BOOTH P-1B		
Emission Limit		Pollutant	
0.020	gr / DRY FT3		TSP
111	PHOSPHORIC ANODIZING (401,403,406)		
Emission Limit		Pollutant	
0.020	gr / DRY FT3		TSP
112	CHROMIUM ANODIZING (203,205,207,211,214)		
Emission Limit		Pollutant	
0.010	MG / DSCM	Or equivalent to: 4.4E-06 gr / dscf	Chromium
0.020	gr / DRY FT3		TSP

SECTION F. Emission Restriction Summary.

Source Id	Source Description
113	SULFURIC ANODIZING (119,121,124)
Emission Limit	
0.020	gr / DRY FT3
Pollutant	
TSP	
114	BORIC SULFURIC ANODIZING (203, 207,216)
Emission Limit	
0.020	gr / DRY FT3
Pollutant	
TSP	

Site Emission Restriction Summary

Emission Limit		Pollutant
9.000 Tons / Yr	any single HAP, calculated as a 12-month rolling sum	Hazardous Air Pollutants
20.460 Tons / Yr	total aggregate HAPs, calculated as a 12-month rolling sum	Hazardous Air Pollutants
20.460 Tons / Yr	total aggregate VOC, calculated as a 12-month rolling sum	VOC

SECTION G. Miscellaneous.

(a) The Department has determined that the emissions from the following activities do not require additional limitations, monitoring, or recordkeeping.

- (1) Grit Blast Cabinet
- (2) Process Heaters
- (3) Dryer Ovens

(b) Table I

Weight of VOC per Volume of Coating (Minus water & exempt solvents)

COATING TYPE	LIMIT	
	POUNDS PER GALLON	GRAMS PER LITER
(1) Ablative Coating	5.0	600
(2) Adhesion Promoter	7.4	890
(3) Adhesive Bonding Primers:		
(a) Cured at 250°F or below	7.1	850
(b) Cured above 250°F	8.6	1,030
(4) Adhesives:		
(a) Commercial Interior Adhesive	6.3	760
(b) Cyanoacrylate Adhesive	8.5	1,020
(c) Fuel Tank Adhesive	5.2	620
(e) Rocket Motor Bonding Adhesive	7.4	890
(f) Rubber-Based Adhesive	7.1	850
(g) Structural Autoclavable Adhesive	0.5	60
(h) Structural Nonautoclavable Adhesive	7.1	850
(5) Antichafe Coating	5.5	660
(6) Chemical Agent-Resistant Coating	4.6	550
(7) Clear Coating	6.0	720
(8) Commercial Exterior Aerodynamic Structure Primer	5.4	650
(9) Compatible Substrate Primer	6.5	780
(10) Corrosion Prevention Compound	5.9	710
(11) Cryogenic Flexible Primer	5.4	645
(12) Cryoprotective Coating	5.0	600
(13) Electric or Radiation-Effect Coating	6.7	800
(14) Electrostatic Discharge & Electro- magnetic Interference (EMI) Coating	6.7	800
(15) Elevated Temperature Skydrol Resistant Commercial Primer	6.2	740
(16) Epoxy Polyamide Topcoat	5.5	660
(17) Fire-Resistant (Interior) Coating	6.7	800
(18) Flexible Primer	5.4	640
(19) Flight-Test Coatings:		
(a) Missile or Single Use Aircraft	3.5	420
(b) All Other	7.0	840
(20) Fuel-Tank Coating	6.0	720
(a) High Temperature Coating	7.1	850
(21) Insulation Covering	6.2	740
(22) Intermediate Release Coating	6.2	750
(23) Lacquer	6.9	830
(24) Maskants:		
(a) Bonding Maskant	10.2	1,230
(b) Critical Use and Line Sealer	8.6	1,020
(c) Seal Coat Maskant	10.2	1,230
(25) Metalized Epoxy Coating Maskant	6.2	740
(26) Mold Release	6.5	780
(27) Optical Anti-Reflective	6.2	750

SECTION G. Miscellaneous.

(28) Part Marking Coating	7.1	850
(29) Pretreatment Coating	6.5	780
(30) Rain Erosion -Resistant Coating	7.1	850
(31) Rocket Motor Nozzle Coating	5.5	660
(32) Scale Inhibitor	7.3	880
(33) Screen Print Ink	7.0	840
(34) Sealants:		
(a) Extrudable / Rollable / Brushable Sealant	2.0	240
(b) Sprayable Sealant	5.0	600
(35) Self-Priming Topcoat	3.5	420
(36) Silicone Insulation Material	7.1	850
(37) Solid Film Lubricant	7.3	880
(38) Specialized Function Coating	7.4	890
(39) Temporary Protective Coating	2.7	320
(40) Thermal Control Coating	6.7	800
(41) Wet Fastener Installation Coating	5.6	675
(42) Wing Coating	7.1	850
(43) General Primers, Coatings, Topcoats, and Chemical Milling maskants		
(a) Primers	2.9	350
(b) Topcoats	3.5	420
(c) Chemical Milling maskants (Type I / II)	1.3	160

(c) The mass of VOC per combined volume of VOC and coating solids, less water and exempt compounds, shall be calculated for each coating by the following equation:

$$\text{VOC} = ((W_v - W_w - W_{ex})(D_c)) / (100\% - (W_w)(D_c / D_w) - (W_{ex})(D_c / D_{ex}))$$

Where:

VOC = VOC content in grams per liter (g / l) of each coating less water and exempt solvents,

W_v = Weight of total volatiles, % (100% weight % nonvolatiles),

W_w = Weight of water, %,

W_{ex} = Weight of exempt solvent, %,

D_c = Density of coating, g / l, at 25°C,

D_w = Density of water, 997.0 g / l at 25°C,

D_{ex} = Density of exempt solvent, g / l, at 25°C,

To convert from grams per liter (g / l) to pounds per gallon (lb / gal), multiply the result (VOC content) by 8345.0 (lb / gal / g / l).

d). APS 637845, AUTH 713124 Initial operating permit incorporates the following:

Plan Approval 09-0176A: Source ID

102 Paint Booth (P-2)

103 PAA Prime Booth (P-3)

104 Powder Coat Booth (P-4)

111 Phosphoric Anodizing (401, 403, 406)

112 Chromium Anodizing (203, 205, 207, 211, 214)

113 Sulfuric Anodizing (119, 121, 124)

211 Cleanup Solvents

09-312-026GP: Source ID 031 Two Miura 300HP Boilers

RFD 09-A01-115: Source ID 105 Flat Line Spray Booth (P-5)

RFD 178: Source IDs 106 and 107 Two Paint Booths

RFD 196: Source ID 114 Boric Sulfuric Anodizing



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