



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

TITLE V/STATE OPERATING PERMIT

Issue Date:	August 26, 2019	Effective Date:	December 20, 2024
Revision Date:	December 20, 2024	Expiration Date:	August 26, 2025
Revision Type:	Amendment		

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

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

TITLE V Permit No: 41-00005

Federal Tax Id - Plant Code: 13-0458536-1

Owner Information

Name: LYCOMING ENGINES
Mailing Address: 652 OLIVER ST
WILLIAMSPORT, PA 17701-4410

Plant Information

Plant: LYCOMING ENGINES/OLIVER ST PLT
Location: 41 Lycoming County 41001 Williamsport City
SIC Code: 3724 Manufacturing - Aircraft Engines And Engine Parts

Responsible Official

Name: SHANNON MASSEY
Title: SENIOR VICE PRESIDENT
Phone: (570) 327 - 7000 Email: smassey@lycoming.com

Permit Contact Person

Name: AMANDA SWARTZ
Title: ENVIRONMENTAL ANALYST
Phone: (570) 327 - 7118 Email: aswartz@lycoming.com

[Signature] _____
MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



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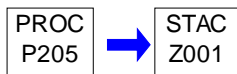
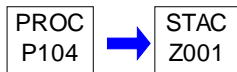
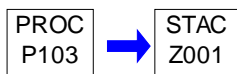
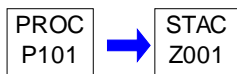
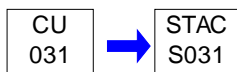
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	NATURAL GAS COMBUSTION UNITS < 10 MMBTU/HR		
P101	STORAGE TANKS		
P102	AEROSPACE COMPONENT PAINTING BOOTHS		
P103	ORGANIC SOLVENT DEGREASING OPERATIONS		
P104	RACT MINOR SOURCES		
P205	CORROSION PROTECTION TANKS		
P208	SOLVENT AND FUEL HANDLING		
P209	HAND PARTS & MACHINE CLEANING		
P216	ENGINE TESTING		
P237	PRE-2006 EMERGENCY INTERNAL COMBUSTION ENGINES		
P238	NSPS JJJJ EMERGENCY GENERATORS		
P239	MAINTENANCE PAINT BOOTH		
C102	DRY FILTERS		
C239	MAINTENANCE BOOTH DRY FILTER		
FM01	NATURAL GAS LINE		
S031	NATURAL GAS COMBUSTION UNIT STACKS		
S102	AEROSPACE PAINTING BOOTH STACKS		
S216	ENGINE TESTING STACKS		
S237	PRE-2006 EMERGENCY RICE STACKS		
S238	NSPS JJJJ EMERGENCY GENERATOR STACKS		
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Z001	FUGITIVE EMISSIONS		

PERMIT MAPS

**PERMIT MAPS**

PROC
P208 → STAC
Z001

PROC
P209 → STAC
Z001

PROC
P216 → STAC
S216

PROC
P237 → STAC
S237

PROC
P238 → STAC
S238

FML
FM01 ↗

PROC
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C239 → STAC
S239

**SECTION B. General Title V 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 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the act.

#003 [25 Pa. Code § 127.512(c)(4)]**Property Rights**

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

#004 [25 Pa. Code § 127.446(a) and (c)]**Permit Expiration**

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. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V 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. 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.

#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]**Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(c) 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. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) 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 during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]**Transfer of Ownership or Operational Control**

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

- (1) The Department determines that no other change in the permit is necessary;
- (2) 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,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]**Inspection and Entry**

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

- (1) Enter at reasonable times upon the permittee's premises where a Title V 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 or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, 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, 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.

(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.

#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]**Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

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

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are 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 Title V permit.

#009 [25 Pa. Code § 127.512(c)(2)]**Need to Halt or Reduce Activity Not a Defense**

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

**SECTION B. General Title V Requirements****#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]**Reopening and Revising the Title V Permit for Cause**

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

#012 [25 Pa. Code § 127.543]**Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

#013 [25 Pa. Code § 127.522(a)]**Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**SECTION B. General Title V Requirements****#014 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#015 [25 Pa. Code §§ 121.1 & 127.462]**Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

#016 [25 Pa. Code § 127.450]**Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3_Air_Apps_and_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

#017 [25 Pa. Code § 127.512(b)]**Severability Clause**

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

#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]**Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

**SECTION B. General Title V Requirements**

(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

#019 [25 Pa. Code §§ 127.14(b) & 127.449]**Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. 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.

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

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit 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 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 or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

(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.

**SECTION B. General Title V Requirements**

(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, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

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

(d) 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 (b)(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 the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(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 allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical 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.

#020 [25 Pa. Code §§ 127.11a & 127.215]**Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(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).

#021 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

**SECTION B. General Title V Requirements**

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) 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 this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]**Submissions**

(a) 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 on the permit transmittal letter, or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

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

The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]**Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

#024 [25 Pa. Code §§ 127.511 & Chapter 135]**Recordkeeping Requirements**

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

- (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.

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(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 the 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]**Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

#026 [25 Pa. Code § 127.513]**Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3_APD_Permits@epa.gov.

**SECTION B. General Title V Requirements****#027 [25 Pa. Code § 127.3]****Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

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

#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]**Risk Management**

(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 listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

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

- (1) Submit a compliance schedule for satisfying the requirements of 40 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

**SECTION B. General Title V Requirements**

(e) If the Title V 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 the Title V 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:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

#029 [25 Pa. Code § 127.512(e)]**Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]**Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

#031 [25 Pa. Code §135.3]**Reporting**

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

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

#032 [25 Pa. Code §135.4]**Report Format**

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

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

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

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

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

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

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

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

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

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

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

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

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

The total combined nitrogen oxides emissions (NO_x), from all the sources of the entire facility, shall not equal or exceed 100 tons in any 12 consecutive month period.

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

The total combined hazardous air pollutant emissions (HAPs), from all the sources of the entire facility, shall not equal or exceed 25 tons in any 12 consecutive month period.

The total emissions of any single HAP from all sources of the entire facility, shall not equal or exceed 10 tons in any 12 consecutive month period.

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

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

(a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

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

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

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

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

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

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

(g) Pursuant to 25 Pa. Code § § 139.53(a)(1) and 139.53(a)(3), two (2) copies of the submittal shall be sent to the Pennsylvania Department of Environmental Protection, Northcentral Regional Office, Air Quality Program Manager, 208 West Third Street, Suite 101, Williamsport PA, 17701 with deadlines verified through document postmarks.

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

008 [25 Pa. Code §139.1]**Sampling facilities.**

Upon the request of the Department, the person responsible for a source shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such source. The Department

**SECTION C. Site Level Requirements**

will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

009 [25 Pa. Code §139.11]**General requirements.**

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

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

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

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

Visible emissions may be measured using either of the following:

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

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

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

- (1) the presence of visible emissions.
- (2) the presence of visible fugitive emissions.
- (3) the presence of malodors beyond the facility's property boundaries.

(b) All detected visible emissions, visible fugitive emissions or malodors shall be reported to the manager of the facility.

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

(a) The permittee shall keep a logbook for recording instances of visible emissions, visible fugitive emissions and malodorous air emissions, the name of the company representative monitoring these instances, and the date and time of each occurrence. The permittee shall also record the corrective action(s) taken to abate each recorded deviation or to prevent future occurrences.

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

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the facility-wide NO_x and HAPs emission limitations in any 12 consecutive month period..

The above records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

(a) The permittee shall maintain records including computerized records that may be necessary to comply with 25 Pa. Code Sections 135.3 and 135.21 (relating to reporting and emissions statements). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

(b) The above records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

(a) The permittee shall submit a semi-annual report including the emission of nitrogen oxides (NO_x) and hazardous air pollutants (HAPs) on a monthly basis and the supporting calculations used to verify compliance with the facility-wide NO_x and HAPs emission limitations in any 12 consecutive month period.

(b) The semi-annual reports shall be submitted to the Department no later than September 1 (July 1 of the previous year through June 30 of the concurrent year) and March 1 (January 1 through December 31 of the previous year).

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

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

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

(a) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in Condition #024 of Section B, General Title V Requirements, no later than September 1 (from July of the previous year through June of the current year).

(b) The permittee shall submit the semiannual reports of required monitoring to the Department, as specified in Condition #023 of Section B, General Title V Requirements, no later than September 1 (for January through June) and March 1 (for July through December of the previous year).

**SECTION C. Site Level Requirements****# 018 [25 Pa. Code §127.442]****Reporting requirements.**

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

(a) The permittee shall report malfunctions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(b) Failures that are caused in part by poor maintenance or careless operation shall be reported as excess emissions or deviations from the operating permit requirements.

(c) When the malfunction, excess emissions or deviation from this operating permit requirements poses an imminent danger to the public health, safety, welfare, or environment shall be reported by telephone to the Department and the County Emergency Management Agency within one (1) hour after the incident. The owner or operator shall submit a written report of instances of such incidents to the Department within three (3) business days of the telephone report.

(d) Except as reported to the Department in accordance with 25 Pa. Code Chapter 139 and the Department's Continuous Source Monitoring Manual, any malfunction or excess emissions that is not subject to the notice requirements of subsection (c) of this operating permit condition shall be reported to the Department within 24 hours of discovery or the next business day. In notifying the Department, the permittee shall describe the following:

- (i) name and location of the facility;
- (ii) nature and cause of the malfunction or breakdown;
- (iii) time when the malfunction or breakdown was first observed;
- (iv) expected duration of excess emissions;
- (v) estimated rate of emissions; and
- (vi) corrective actions or preventative measures taken.

(e) The permittee shall notify the Department within 24 hours, or the next business day, when corrective measures have been accomplished.

(f) Upon the request of the Department, the permittee shall submit a full written report to the Regional Air Program Manager within 15 days of the malfunction, excess emissions or deviation from the operating permit requirements.

019 [25 Pa. Code §135.21]**Emission statements**

(a) The permittee shall provide the Department with a statement of each stationary source in a form as prescribed by the Department, showing the actual emissions of volatile organic compounds (VOCs) from the permitted facility for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based.

(b) The annual emission statements are due by March 1 for the preceding calendar year and shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate. The Emission Statement shall provide data consistent with requirements and guidance developed by the EPA.

(c) The Department may require more frequent submittals if the Department determines that one or more of the following applies:

(1) A more frequent submission is required by the EPA.

(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the Air Pollution Control Act.

020 [25 Pa. Code §135.3]**Reporting**

(a) A person who owns or operates a source to which 25 Pa. Code Chapter 135 applies, and who has previously been advised by the Department to submit an annual Air Information Management Systems (AIMS) report, shall submit by March

**SECTION C. Site Level Requirements**

1 of each year an annual AIMS report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the preceding calendar year and sources modified during the same period which were not previously reported.

(b) A person who receives initial notification by the Department that an annual AIMS report is necessary shall submit an initial annual AIMS 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.**# 021 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

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

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

(3) Paving and maintenance of roadways.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95]

Waste VOC-containing solvent generated from any operation or area contained within the respective facility shall not under any circumstances be disposed of via evaporation.

VII. ADDITIONAL REQUIREMENTS.**# 023 [25 Pa. Code §121.7]****Prohibition of air pollution.**

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

024 [25 Pa. Code §123.31]**Limitations**

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

025 [25 Pa. Code §129.14]**Open burning operations**

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

026 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

This facility is subject to 25 Pa. Code Section 129.73. The permittee shall comply with all the applicable requirements of 25 Pa. Code Section 129.73.

VIII. COMPLIANCE CERTIFICATION.

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



SECTION C. Site Level Requirements

IX. COMPLIANCE SCHEDULE

No compliance milestones exist.

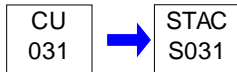
***** Permit Shield In Effect *****

**SECTION D. Source Level Requirements**

Source ID: 031

Source Name: NATURAL GAS COMBUSTION UNITS < 10 MMBTU/HR

Source Capacity/Throughput:

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

No person may permit the emission into the outdoor atmosphere of particulate matter from any combustion unit of Source ID 031 rated at greater than 2.5 MMBtu/hr in excess of 0.4 pounds per million Btu of heat input.

002 [25 Pa. Code §123.22]**Combustion units**

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision in 40 CFR 52.2020(c)]

No person may permit the emission into the outdoor atmosphere of Sulfur Oxides (SO_x), expressed as SO₂, from any combustion unit of Source ID 031 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

[Compliance with this streamlined permit condition also assures compliance with Condition #11 of RACT Operating Permit 41-0006 established pursuant to 25 Pa. Code Section 129.91 through 129.95]

The total combined VOC emissions from Source ID 031 shall not exceed 3.04 tons in any 12 consecutive month period.

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

The permittee shall only combust natural gas in Source ID 031.

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

[Compliance with this streamlined permit condition also assures compliance with Condition #11 of RACT Operating Permit 41-0006 established pursuant to 25 Pa. Code Section 129.91 through 129.95]

The maximum amount of natural gas which may be burned in Source ID 031 shall be a combined total of 972 million cubic feet in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the volatile organic compound emission limitations in any 12 consecutive month period, for Source ID 031.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95 and 127.511]

(a) The permittee shall maintain records of the total amount of natural gas burned each month in Source ID 031.

(b) The permittee shall keep records of the actual fuel usage which has occurred for each individual month in Source ID 031. It is not permissible to maintain records on a calendar year basis and divide by 12.

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

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

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

The permittee shall submit the records of the total amount of fuel burned each month in Source ID 031 on a quarterly basis.

The reports shall be submitted to the Department by March 1, June 1, September 1, and December 1 for the previous calendar quarter.

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

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

The permittee shall submit annual reports of the supporting calculations verifying compliance with the volatile organic compound emission limitations in any 12 consecutive month period for Source ID 031.

The annual reports shall be submitted to the Department no later than March 1 for the previous 12 consecutive month period.

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

[Compliance with this streamlined permit condition also assures compliance with Condition #11 of RACT Operating Permit 41-0006 established pursuant to 25 Pa. Code Section 129.91 through 129.95]

The permittee shall operate Source ID 031 in accordance with good air pollution control practices.

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

Source ID 031 consists of the natural gas-fired combustion units at the facility rated at less than 10 MMBtu/hr and includes the following individual sources:

**SECTION D. Source Level Requirements**

- Four (4) Firetube Boilers rated at 6.283 MMBtu/hr
- Two (2) Air Make-Up Units rated between 2.1 and 6.54 MMBtu/hr
- Two (2) Heat Treat Furnaces rated between 0.7 and 1.5 MMBtu/hr
- Two (2) Proceco Aqueous Washer Burners rated at 0.36 MMBtu/hr
- One (1) Proceco Aqueous Washer Burner rated at 0.55 MMBtu/hr
- One (1) Hurst Series 200 boiler rated at 1.75 MMBtu/hr.
- Two (2) rotary hearth heat treat ovens each rated at 0.35 MMBtu/hr.
- Space heaters rated at less than 10 MMBtu/hr.

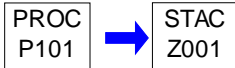
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**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: STORAGE TANKS

Source Capacity/Throughput:

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

[Compliance with this streamlined permit condition also assures compliance with the provision in Condition #14 of RACT Operating Permit 41-0006 established pursuant to 25 Pa. Code Section 129.91 through 129.95]

The potential to emit VOCs from Source ID P101 shall not exceed 3 pounds per hour, 15 pounds per day or 2.7 tons in any 12 consecutive month period.

Should any of these VOC limitations ever be exceeded for Source ID P101, a detailed RACT analysis which meets the criteria specified in 25 Pa. Code Section 129.92 must be submitted to the Department for each storage tank of Source ID P101.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

The permittee shall keep records of the calculations or data used to verify the vapor pressure limitation for Source ID P101.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95]

The permittee shall maintain such records as are necessary to demonstrate compliance with Condition #001 for Source ID P101.

V. REPORTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.57]

The permittee shall not store in any tank of Source ID P101 with a capacity greater than 2000 gallons, any material containing volatile organic compounds which has a vapor pressure greater than 1.5 psia (10.5 kilopascals) under actual storage conditions.

005 [25 Pa. Code §129.61]**Small gasoline storage tank control (Stage 1 control)**

The permittee shall not transfer gasoline from a delivery vessel into any tank of Source ID P101 unless the displaced vapors from the storage tank are transferred to the dispensing delivery tank through a vapor tight return line and unless the receiving tank is equipped with a submerged fill pipe which extends from the filling orifice to within 6 inches of the bottom of the tank.

The vapors collected in the dispensing tank shall be disposed of in accordance with 25 Pa. Code Section 129.59 or Section 129.60(c) (relating to bulk gasoline terminals; and bulk gasoline plants). The dispensing delivery tank shall remain vapor tight at all times.

The delivery tank may be opened after the vapors are disposed of in accordance with 25 Pa. Code Section 129.59 or Section 129.60(c).

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

Source ID P101 consists of the following storage tanks:

a) Underground Storage Tanks:

- One (1) 4,000 gallon odorless mineral spirits tank (U-54)
- One (1) 7,000 gallon waste oil tank (U-53)
- One (1) 6,000 gallon split gasoline/jet fuel tank (UST-65/66)
- One (1) 12,000 gallon split aviation gasoline/aviation gasoline tank (UST-63/64)
- Two (2) 12,000 gallon aviation gasoline tanks (UST-58 and UST-59)
- One (1) 12,000 gallon jet fuel tank (UST-57)
- One (1) 4,500 gallon split gasoline/gasoline/gasoline tank (UST-60/61/62)
- One (1) 1,000 gallon automotive gasoline tank (UST-55)
- One (1) 2,000 gallon methanol tank (UST-56)

b) Above-ground Storage Tanks

- One 1,200 gallon LPG tank (AST-43)
- One 2,000 gallon waste oily water tank (AST-42)

Any storage tank which has been taken out of service must comply with all applicable requirements of 25 Pa. Code Section 127.11a in order to be reactivated.

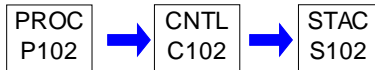
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**SECTION D. Source Level Requirements**

Source ID: P102

Source Name: AEROSPACE COMPONENT PAINTING BOOTHS

Source Capacity/Throughput:

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

The permittee shall not emit particulate matter from the exhaust of the dry filter associated with any spray booth of Source ID P102 in excess of 0.04 grain per dry standard cubic foot, when the effluent gas volume is less than 150,000 dry standard cubic feet per minute.

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

(a) The emissions of Volatile Organic Compounds (VOCs) from any spray booth of Source ID P102 shall not equal to or exceed 2.7 tons in any 12 consecutive month period.

(b) The emissions of Hazardous Air Pollutants (HAPs) from any spray booth of Source ID P102 shall not equal or exceed 1.0 ton in any 12 consecutive month period.

(c) The emissions of any single Hazardous Air Pollutant (HAP) from Spray Paint Booth ES-9 shall not equal or exceed 0.5 ton in any 12 consecutive month period.

003 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

a) In accordance with 25 Pa. Code Section 129.73(3) (Table II, Aerospace Primers, Aerospace Topcoats, and Aerospace Chemical Milling Maskants), the permittee shall not apply topcoats, in Source ID P102, that have a VOC content in excess of 3.5 pounds of VOC per gallon of topcoat (minus water and exempt solvent), nor shall the permittee apply primers, in Source ID P102, that have a VOC content in excess of 2.9 pounds of VOC per gallon of primer (minus water and exempt solvent).

b) These VOC content limitations do not apply in the following circumstances:

i) The use of touchup, aerosol and Department of Defense "classified" coatings.

ii) The coating of space vehicles.

iii) Separate formulations in volumes less than 50 gallons per year to a maximum exemption of 200 gallons per year of all the coatings in aggregate for these formulations.

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

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

The permittee shall conduct tests which demonstrate through Method 24 of 40 CFR Part 60 and 25 Pa. Code Chapter 139 that all coatings used in Source ID P102 are in conformity with the VOC content limitations,

OR

the permittee shall maintain documentation (Certified Product Data Sheets, Material Safety Data Sheets, or other published documentation approved by the Department) which demonstrates that all coatings used in Source ID P102 are in conformity with the VOC content limitations.

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

(a) By September 6, 2022, the permittee shall demonstrate compliance with the requirements of 25 Pa. Code § 129.51(a)(4) by conducting emissions testing in accordance with methods approved by the EPA to verify that the use of the airless/air-assisted spray gun technology in Spray Paint Booth ES-9 provides emission reductions equal to or better than the HVLP spray gun technology.

(b) The permittee shall provide to the Department, within 60 days of the completion of the testing stipulated in (a) of this condition, a written certification signed by a responsible official at Lycoming Engines that emissions testing of the airless spray gun technology demonstrates that the airless/air-assisted spray gun technology provides emissions reductions equal to or better than the HVLP spray gun technology.

006 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

In accordance with 25 Pa. Code Section 129.73(4), the permittee shall calculate for each coating used in Source ID P102, the mass of VOC per combined volume of VOC and coating solids, less water and exempt compounds 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, 0.997 x 10³ g/l at 25°C, and

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 8.345 x 10³ (lb/gal/g/l).

III. MONITORING REQUIREMENTS.

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

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

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

a) The permittee shall keep records of tests conducted through Method 24 of 40 CFR Part 60 and 25 Pa. Code Chapter 139 that all coatings used in Source ID P102 are in conformity with the VOC content limitations,

OR

the permittee shall maintain documentation (Certified Product Data Sheets, Material Safety Data Sheets, or other published

**SECTION D. Source Level Requirements**

documentation approved by the Department) which demonstrates that all coatings used in Source ID P102 are in conformity with the VOC content limitations.

b) The above records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the particulate matter emission limitation for each spraybooth of Source ID P102.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the annual volatile organic compound emission limitation and the annual hazardous air pollutant emission limitations for each spraybooth of Source ID P102.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

010 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

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

In accordance with 25 Pa. Code Section 129.73(13)(i), the permittee shall keep records for Source ID P102 in accordance with 25 Pa. Code Section 129.51 and 129.52 (relating to general; and surface coating processes) including:

A current list of coatings used in Source ID P102 categorized in accordance with Table II of 25 Pa. Code Section 129.73 showing VOC content as applied and usage on an annual basis.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

The permittee shall submit to the Department semiannual reports containing the VOC contents (pounds of VOC per gallon of coating solids and pounds of VOC per gallon of coating (minus water and exempt solvents)) of any new or reformulated coating(s) used in Source ID P102 during the reporting period, and the supporting calculations verifying compliance with the VOC content limitations.

The semiannual reports shall be submitted to the Department no later than September 1 (for January through June) and March 1 (for July through December of the previous year).

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

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

The permittee shall submit to the Department annual reports containing:

**SECTION D. Source Level Requirements**

(a) The VOC contents (pounds of VOC per gallon of coating solids and pounds of VOC per gallon of coating (minus water and exempt solvents)) of each coating used in Source ID P102, and the supporting calculations verifying compliance with the VOC content limitations.

(b) The supporting calculations verifying compliance with the annual volatile organic compound emission limitation and the annual hazardous air pollutant emission limitation for each spray booth of Source ID P102.

The annual reports shall be submitted to the Department no later than March 1 for the previous year.

VI. WORK PRACTICE REQUIREMENTS.**# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Each spray booth of Source ID P102 shall be equipped with a full set of spray booth filters at any time coatings are being sprayed in that booth.

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

In accordance with 25 Pa. Code Sections 129.51(a) and 129.73(5), the permittee shall use one or more of the following application techniques in applying primer or topcoat to aerospace vehicles or components in Source ID P102:

- (i) Flow/curtain coat.
- (ii) Dip coat.
- (iii) Roll coating.
- (iv) Brush coating.
- (v) Cotton-tipped swab application.
- (vi) Electrodeposition (DIP) coating.
- (vii) High volume low pressure (HVLP) spraying.
- (viii) Electrostatic spray.
- (ix) Airless spray application.
- (x) Air-assisted airless spray application.

015 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

In accordance with 25 Pa. Code Section 129.73(11), the permittee shall implement the following housekeeping measures for cleaning solvents used in Source ID P102:

- (a) Fresh and used cleaning solvents, except aqueous and semiaqueous cleaning solvents, used in solvent cleaning operations shall be stored in nonabsorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying.
- (b) Cloth and paper, or other absorbent applicators, moistened with cleaning solvents, except aqueous cleaning solvents, shall be stored in closed, nonabsorbent, nonleaking containers. Cotton-tipped swabs used for very small cleaning operations are exempt.
- (c) Handling and transfer procedures shall minimize spills during filling and transferring the cleaning solvent, except aqueous cleaning solvents, to or from enclosed systems, vats, waste containers and other cleaning operation equipment

**SECTION D. Source Level Requirements**

that holds or stores fresh or used cleaning solvents.

016 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

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

In accordance with 25 Pa. Code Section 129.73(10), the permittee shall only clean the spray guns of Source ID P102 by one of the following:

(a) 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 and whether components were leaking. 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.

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

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

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

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

Source ID P102 consists of the following spray painting booths engaged in the surface coating of aerospace vehicle components:

Binks-Andrae model CPAF-7.5-8-T-LH dry filter Paint Spray Booth ES-3 and associated Touchup Booth ES-6. ES-3 and ES-6 shall be considered a single paint booth for emissions reporting.

Binks model PAF-5-7-T-LH Paint Spray Booth ES-4.

Amiberica Model PAF-5-7-T-LH Paint Spray Booth ES-7.

Carlisle-Binks AG364 and Trophy AA 1600 airless gun system Spray Paint Booth ES-9

Any Painting Booth of Source ID P102 which has been taken out of service must comply with all applicable requirements of 25 Pa. Code Section 127.11a in order to be reactivated.

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

Source ID P102 is subject to 25 Pa. Code Section 129.73. The permittee shall comply with all the applicable requirements of 25 Pa. Code Section 129.73.

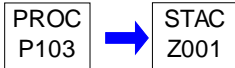
*** **Permit Shield in Effect.** ***

**SECTION D. Source Level Requirements**

Source ID: P103

Source Name: ORGANIC SOLVENT DEGREASING OPERATIONS

Source Capacity/Throughput:

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

[Compliance with this streamlined permit condition also assures compliance with provisions of RACT Operating Permit 41-0006 established pursuant to 25 Pa. Code Section 129.91 through 129.95]

[Additional authority for this permit condition is derived from a request by the permittee]

The VOC emissions from Cooper Tank CT-13 shall not equal or exceed 6.93 tons in any 12 consecutive month period.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.95 and RACT Operating Permit 41-0006]

The combined VOC emissions from Dip Tanks VT-002, VT-003, VT-005, VT-022, VT-023, VT-024, VT-064, VT-074, VT-092, VT-113, VT-114, and VT-115 shall not equal or exceed 2.5 tons in any 12 consecutive month period.

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

(a) The VOC emissions from dip tank VT-201 shall not equal or exceed 2.7 tons in any 12 consecutive month period.

(b) The total HAP emissions from dip tank VT-201 shall not equal or exceed 2.5 tons in any 12 consecutive month period.

(c) Emissions of any single HAP from dip tank VT-201 shall not equal or exceed 1.0 ton in any 12 consecutive month period.

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

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

(a) The VOC emissions from VT-203 shall not equal or exceed 0.75 tons in any 12 consecutive month period.

(b) The HAP emissions from VT-203 shall not equal or exceed 0.00075 tons in any 12 consecutive month period.

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

The VOC emissions from dip tank VT-206 shall not equal or exceed 0.4 tons in any 12 consecutive month period.

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

The VOC emissions from dip tank VT-204 shall not equal or exceed 1.4 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.**

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

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the annual volatile organic compound and hazardous air pollutant emission limitations for Source ID P103.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95 and 127.511]

The permittee shall maintain records of the total amount of mineral spirits, or any other VOC, used each month in Source ID P103. The permittee shall keep records of the actual mineral spirits, etc. usage which has occurred for each individual month in Source ID P103. It is not permissible to maintain records on a calendar year basis and divide by 12 nor is it permissible to maintain a record of total facility-wide usage of a particular material (mineral spirits, for example) and prorate the total among the various source categories in which it is used. It is permissible to adjust the various usage records for any mineral spirits, etc. removed from Source ID P103 in liquid form provided the quantity and VOC content of the removed mineral spirits is known and provided this data is known, and used, on a source category by source category basis.

All of the records generated pursuant to this condition shall be retained on-site for at least 5 years and shall be provided to the Department upon request.

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

The permittee shall maintain for a minimum of five years and present to the Department upon request the following information:

- (1) The name and address of the solvent supplier,
- (2) The type of solvent including the product or vendor identification number,
- (3) The vapor pressure of the solvent measured in mm of Hg at 68 degrees F.

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

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

The permittee shall submit annual reports of the supporting calculations verifying compliance with the annual volatile organic compound emission and hazardous air pollutant limitations for Source ID P103.

The annual reports shall be submitted to the Department no later than March 1 for the previous year.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 129.95 and RACT Operating Permit 41-0006]

**SECTION D. Source Level Requirements**

The permittee shall submit the records of the total amount of mineral spirits, or any other VOC containing material, used each month in Source ID P103 on a quarterly basis.

The reports shall be submitted to the Department by March 1, June 1, September 1 and December 1 for the previous calendar quarter.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.91 through 129.95 and 129.63(a)]

[Compliance with the requirements specified in this streamlined permit condition assures compliance with 25 Pa. Code Section 129.91 through 129.95 and RACT Operating Permit 41-0006]

The following work practice standards apply to Source ID P103:

- (1) After December 22, 2002 A person may not use or sell for use in a cold cleaning machine any solvent with a vapor pressure of 1.0 millimeter of mercury or greater and containing greater than 5% VOC by weight, measured at 68 degrees F containing VOCs.
- (2) Each of the organic solvent degreasing tanks shall be equipped with a cover or lid which shall be kept closed whenever the respective tank is not being used to clean parts.
- (3) The organic solvent degreasing tanks shall incorporate features or equipment which allow liquid solvent to drain from cleaned parts back into the tanks.
- (4) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer.
- (5) None of the organic solvent degreasing tanks shall be heated.

013 [25 Pa. Code §129.63]**Degreasing operations**

Each organic solvent degreasing tank of Source ID P103 shall have the following:

- (1) A freeboard ratio of greater than 0.50.
- (2) A permanent conspicuous label summarizing these operating requirements:
 - (a) Waste solvent shall be collected and stored in a closed container. The closed container may contain a device that allows pressure relief, but does not allow liquid solvent to drip from the container.
 - (b) Flushing of Parts using a flexible hose or other flushing device shall be performed only within the cold cleaning machine. The solvent spray shall be a solid fluid stream, not an atomized or shower spray.
 - (c) Sponges, fabric, wood, leather, paper products, and other absorbent materials may not be cleaned in the cold cleaning machine.
 - (d) Air agitated solvent baths may not be used.
 - (e) Spills during solvent transfer and use of cold cleaning machine shall be cleaned up immediately.
- (3) In addition, the label shall include the following discretionary good operating practices:
 - (a) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining.

**SECTION D. Source Level Requirements**

(b) During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the cold cleaning machine.

(c) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

(4) Equipped with a cover that shall be closed at all times except during the cleaning of parts or the addition or removal of solvent.

014 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

In accordance with 25 Pa. Code Section 129.73(9), the permittee shall empty the cleaning solvents used in Source ID P103 into an enclosed container or collection system that is kept closed when not in use or captured with wipers which comply with the housekeeping requirements of 25 Pa. Code Section 129.73(11).

015 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

In accordance with 25 Pa. Code Section 129.73(11), the permittee shall implement the following housekeeping measures for cleaning solvents used in Source ID P103:

(i) Fresh and used cleaning solvents, except aqueous and semiaqueous cleaning solvents, used in solvent cleaning operations shall be stored in nonabsorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying.

(ii) Cloth and paper, or other absorbent applicators, moistened with cleaning solvents, except aqueous cleaning solvents, shall be stored in closed, nonabsorbent, nonleaking containers. Cotton-tipped swabs used for very small cleaning operations are exempt.

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

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

Source ID P103 consists of the following organic solvent degreasing equipment:

- a) One Cooper Tank w/ surface area less than 10 square feet (CT-13)
- b) Thirteen (13) Dip Tanks ranging in size from 5 to 50 gallons.
- c) Dip Tank VT-201
- d) Three (3) Cold Clean Solvent Parts Washers (VT-203, VT-204, and a Graysmills 500A)

Any organic solvent degreasing equipment of Source ID P103 which has been taken out of service must comply with all applicable requirements of 25 Pa. Code Section 127.11a in order to be reactivated.

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

Source ID P103 is subject to 25 Pa. Code Section 129.63(a) (Degreasing Operations - Cold Cleaning Machines). The permittee shall comply with all applicable requirements specified in 25 Pa. Code Section 129.63(a).

018 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

Source ID P103 is subject to 25 Pa. Code Section 129.73. The permittee shall comply with all the applicable requirements of 25 Pa. Code Section 129.73.



SECTION D. Source Level Requirements

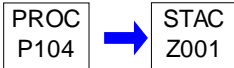
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**SECTION D. Source Level Requirements**

Source ID: P104

Source Name: RACT MINOR SOURCES

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95]

The potential to emit VOCs from each source category of Source ID P104 shall not exceed 3 pounds per hour, 15 pounds per day or 2.7 tons in any 12 consecutive month period. Should any of these VOC limitations ever be exceeded for any source category of Source ID P104, a detailed RACT analysis which meets the criteria specified in 25 Pa. Code Section 129.92 must be submitted to the Department for each source contained in the respective source category.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.96 through 129.100]

The potential to emit VOCs from each individual source included in Source ID P104 shall not exceed 2.7 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95 and 129.100(d)]

The permittee shall maintain such records as are necessary to demonstrate compliance with Conditions #001 and #002 for Source ID P104.

V. REPORTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(c)]

**SECTION D. Source Level Requirements**

The permittee shall maintain and operate Source ID P104 in accordance with the manufacturer's specifications and with good operating practices.

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

Source ID P104 consists of the following source categories:

- (a) Eight inspection stations containing a mixture of iron oxide particles suspended in a low-volatility mineral-spirit based solution, used to inspect equipment for cracks and inclusions.
- (b) Four aqueous Cooper tanks, nine aqueous washers, three Vibraderburing units, and one sump sucker.
- (c) Machining operations, seven heat treat/tempering furnaces, one chip filter, one coolant ultrafiltration system and one coolant sump sucker.
- (d) General maintenance activities, truck maintenance activities, floor/general cleaning activities, insect control activities, and health services activities.
- (e) Chem lab and wastewater treatment analysis.
- (f) One automotive gas pump, offset printing, assembly, welding, machine lubrication, part lubrication, tool dyeing, protective coating, methanol pipe leaks, hazardous waste drums, used engine disassembly, blue print making, gauge maintenance and engine packing.

Each of these source categories is described in further detail in the "Reasonably Available Control Technology Proposal January 23, 1999 RACT Amendment".

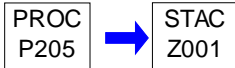
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**SECTION D. Source Level Requirements**

Source ID: P205

Source Name: CORROSION PROTECTION TANKS

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95]

The total combined VOC emissions from Source ID P205 shall not exceed 2.76 tons in any 12 consecutive month period.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.96 through 129.100]

The potential to emit VOCs from each individual source included in Source ID P205 shall not exceed 2.7 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the annual volatile organic compound emission limitation, for Source ID P205.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95, 129.100(d) and 127.511]

The permittee shall keep records of the total amount of mineral spirits, or any other VOC, used each month in Source ID P205.

The permittee shall keep records of the actual mineral spirits, etc. usage which has occurred for each individual month in Source ID P205. It is not permissible to maintain records on a calendar year basis and divide by 12 nor is it permissible to maintain a record of total facility-wide usage of a particular material (mineral spirits, for example) and prorate the total among the various source categories in which it is used. It is permissible to adjust the various usage records for any mineral spirits, etc. removed from Source ID P205 in liquid form provided the quantity and VOC content of the removed liquid

**SECTION D. Source Level Requirements**

is known and provided this data is known, and used, on a source category by source category basis.

All of the records generated pursuant to this condition shall be retained on-site for at least 5 years and shall be provided to the Department upon request.

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

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

The permittee shall submit semiannual reports of the supporting calculations verifying compliance with the annual volatile organic compound emission limitation, for Source ID P205.

The semiannual reports shall be submitted to the Department no later than September 1 (for January through June) and March 1 (for July through December of the previous year).

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

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

The permittee shall submit the records of the total amount of mineral spirits, or any other VOC, used each month in Source ID P205 on a quarterly basis.

The report shall be submitted to the Department by March 1, June 1, September 1, and December 1 for the previous calendar quarter.

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

[Additional authority for this permit condition is derived in 25 Pa. Code Sections 129.91 through 129.95]

The following work practice standards apply to Source ID P205:

- (1) no solvent having a vapor pressure in excess of 3.0 mm of mercury at 20° C shall ever be used.
- (2) each of the corrosion protection tanks shall be equipped with a cover or lid which shall be kept closed whenever the tank is not being used to treat parts.
- (3) the corrosion protection tanks shall also incorporate features or equipment which allow liquid corrosion protection solution to drain from treated parts back into the tanks.
- (4) all parts removed from the tanks must be allowed to drain above the tanks for at least 15 seconds or until there is no longer any liquid dripping from the treated parts.
- (5) none of the corrosion protection tanks shall be heated.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(c)]

The permittee shall maintain and operate Source ID P205 in accordance with the manufacturer's specifications and with good operating practices.

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

(a) Source ID P205 includes 17 corrosion protection tanks ranging in size from 11 to 158 gallons. Each tank contains mineral spirits and/or corrosion protection products for the preserving of metal parts between machining operations to prevent flash rusting.

(b) Any corrosion protection tank which has been taken out of service must comply with all applicable requirements of 25 Pa. Code Section 127.11a in order to be reactivated.

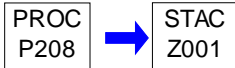
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**SECTION D. Source Level Requirements**

Source ID: P208

Source Name: SOLVENT AND FUEL HANDLING

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95]

The potential to emit VOCs from Source ID P208 shall not exceed 3 pounds per hour, 15 pounds per day or 2.7 tons in any 12 consecutive month period. Should any of these VOC limitations ever be exceeded for Source ID P208, a detailed RACT analysis which meets the criteria specified in 25 Pa. Code Section 129.92 must be submitted to the Department for each source of Source ID P208.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the annual volatile organic compound emission limitation, for Source ID P208.

These records shall be retained for a minimum of 5 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 (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §129.73]****Aerospace manufacturing and rework.**

In accordance with 25 Pa. Code Section 129.73(11)(iii), the permittee shall conduct the handling and transfer of cleaning solvents to or from enclosed systems, vats, waste containers, and other cleaning operation equipment that hold or store fresh or spent cleaning solvents in such a manner that minimizes spills.

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

Source ID P208 includes 2 mineral spirits transport wagons (300 gallons and 50 gallons), one mineral spirits sump sucker (250 gallons), one mineral spirits dispensing pump, one aviation fuel wagon and one aviation gasoline recovery tank.

005 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

Source ID P208 is subject to 25 Pa. Code Section 129.73. The permittee shall comply with all the applicable requirements of 25 Pa. Code Section 129.73.

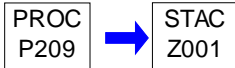
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**SECTION D. Source Level Requirements**

Source ID: P209

Source Name: HAND PARTS & MACHINE CLEANING

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95]

The total combined VOC emissions from Source ID P209 shall not exceed 3.3 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.95, 129.73, and 127.511]

The permittee shall keep records of the identity and total amount of each VOC used each month in Source ID P209. These monthly records shall include the water content of aqueous and semiaqueous solvents and the vapor pressure and composite vapor pressure of all vapor pressure compliant solvents and solvent blends used in Source ID P209.

The permittee shall keep records of the actual cleaning solvent usage which has occurred for each individual month in Source ID P209. It is not permissible to maintain records on a calendar year basis and divide by 12 nor is it permissible to maintain a record of total facility-wide usage of a particular material (mineral spirits, for example) and prorate the total among the various source categories in which it is used. It is permissible to adjust the various usage records for any cleaning solvent removed from the Source ID P209 in liquid form provided the quantity and VOC content of the removed cleaning solvent is known and provided this data is known, and used, on a source category by source category basis.

All of the records generated pursuant to this condition shall be retained on-site for at least 5 years and shall be provided to the Department upon request.

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the annual volatile organic compound emission limitation, for Source ID P209.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

The permittee shall submit annual reports of the supporting calculations verifying compliance with the annual volatile organic compound emission limitation, for Source ID P209.

The annual report shall be submitted to the Department no later than March 1 for the previous year.

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

[Additional authority for this permit condition is also derived from 25 Pa. Code Sections 129.95 and 127.511]

The permittee shall submit the records of the identity and total amount of each VOC used each month in Source ID P209 on a quarterly basis. In addition, the permittee shall submit the monthly records of the water content of aqueous and semiaqueous solvents and the vapor pressure and composite vapor pressure of all vapor pressure compliant solvents and solvent blends used in Source ID P209 on a quarterly basis.

The reports shall be submitted to the Department by March 1, June 1, September 1, and December 1 for the previous calendar quarter.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95]

The permittee shall use the lowest volatility VOCs practicable in the cleaning operations associated with Source ID P209. All containers of VOC-containing cleaning solvent associated with Source ID P209 shall be kept closed when not in actual use, and all solvent-wet rags, etc. shall be stored in closed containers when not in actual use. Under no circumstances shall solvent-wet rags, etc. be treated or pretreated prior to disposal or reuse by subjecting them to air drying or any other means of solvent removal which would cause solvent to be unnecessarily evaporated into the air.

007 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

In accordance with 25 Pa. Code Section 129.73(11), the permittee shall implement the following housekeeping measures for cleaning solvents used in Source ID P209:

- (i) Fresh and used cleaning solvents, except aqueous and semiaqueous cleaning solvents, used in solvent cleaning operations shall be stored in nonabsorbent, nonleaking containers. The containers shall be kept closed at all times except when filling or emptying.
- (ii) Cloth and paper, or other absorbent applicators, moistened with cleaning solvents, except aqueous cleaning solvents, shall be stored in closed, nonabsorbent, nonleaking containers. Cotton-tipped swabs used for very small cleaning operations are exempt.
- (iii) Handling and transfer procedures shall minimize spills during filling and transferring the cleaning solvent, except aqueous cleaning solvents, to or from enclosed systems, vats, waste containers and other cleaning operation equipment that holds or stores fresh or used cleaning solvents.

008 [25 Pa. Code §129.73]**Aerospace manufacturing and rework.**

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.63]

[Compliance with the requirement specified in this streamlined permit condition assures compliance with the provision in

**SECTION D. Source Level Requirements**

40 CFR 52.2020(c)]

In accordance with 25 Pa. Code Section 129.73(7), the permittee shall not use solvents for hand-wipe cleaning of aerospace vehicles or components unless the cleaning solvents do one of the following:

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

VII. ADDITIONAL REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P209 includes mineral spirits hand parts cleaning, mineral spirits equipment and machine cleaning, miscellaneous VOCs hand parts cleaning, miscellaneous VOCs machine and equipment cleaning, and non mineral spirits equipment washing.

010 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

Source ID P209 is subject to 25 Pa. Code Section 129.73. The permittee shall comply with all the applicable requirements of 25 Pa. Code Section 129.73.

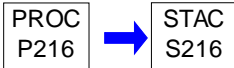
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**SECTION D. Source Level Requirements**

Source ID: P216

Source Name: ENGINE TESTING

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from Pa. Code Sections 129.91 through 129.95]

The total combined VOC emissions from the combustion of fuel in Source ID P216, from the oil used in Source ID P216 and from fugitive loss during the connection and disconnection of the fuel supply lines to/from the engines being tested shall not exceed 27.4 tons in any 12 consecutive month period.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.96 through 129.100]

The potential to emit VOCs from each individual source included in Source ID P216 shall not exceed 2.7 tons in any 12 consecutive month period.

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

[Additional authority for this permit condition is derived from Pa. Code Sections 129.91 through 129.95]

The maximum amount of fuel (aviation gasoline or other fuel) which may be burned in Source ID P216 shall be 1,156,758 gallons in any 12 consecutive month period.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.91 through 129.95]

The permittee may not test turbine engines.

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

(a) The permittee shall perform an EPA reference method test for nitrogen oxides (NO_x, expressed as NO₂), carbon monoxide (CO), and volatile organic compounds (VOC) on a representative engine of Source ID P216, in order to verify the emission rates of these compounds.

(b) All testing is to be done using reference method test procedures acceptable to the Department while the engine is operating at maximum routine operating conditions.

(c) The permittee shall submit a source testing protocol no later than December 31, 2019. See Section C, Cond. #007, #008, and #009 for additional testing related requirements.

(d) The permittee shall respond to any request for additional information from BAQ Source Testing within 30 days, or as allowed by the Department.

**SECTION D. Source Level Requirements**

(e) Testing shall be conducted within 90 days of receipt of an approved testing protocol from BAQ Source Testing.

III. MONITORING REQUIREMENTS.

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

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

[Additional authority for this permit condition is derived from Pa. Code Sections 129.95, 129.100(d) and 127.511]

The permittee shall keep records of the total amount of aviation gasoline burned each month in Source ID P216. In addition, the permittee shall keep records of the identity and total amount of any fuel other than aviation gasoline burned each month, if any, in Source ID P216. Records shall be kept of the hours of operation and/or fuel usage of each test cell of Source ID P216, sufficient to calculate the VOC emissions from each cell, in the event total VOC emissions from Source ID P216 exceed 2.7 tons in any 12 consecutive month period.

The permittee shall keep records of the actual fuel usage which has occurred for each individual month in Source ID P216. It is not permissible to maintain records on a calendar year basis and divide by 12 nor is it permissible to maintain a record of total facility-wide usage of a particular material (mineral spirits, for example) and prorate the total among the various source categories in which it is used.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

The permittee shall keep records of the supporting calculations used to verify compliance with the annual volatile organic compound emission limitations, for Source ID P216.

These records shall be retained for a minimum of 5 years and shall be made available to the Department upon request.

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

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

The permittee shall submit semiannual reports of the supporting calculations verifying compliance with the annual volatile organic compound emission limitations, for Source ID P216.

The semiannual reports shall be submitted to the Department no later than September 1 (for January through June) and March 1 (for July through December of the previous year).

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

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

The permittee shall submit the records of the total amount of aviation gasoline, or any other fuel, burned each month in Source ID P216 on a quarterly basis.

**SECTION D. Source Level Requirements**

The report shall be submitted to the Department by March 1, June 1, September 1, and December 1 for the previous calendar quarter.

VI. WORK PRACTICE REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(c)]

The permittee shall maintain and operate Source ID P216 in accordance with the manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P216 includes 17 production test cells-engine test (PTC-1-1, PTC-1-2, PTC-1-3, PTC-1-4, PTC-1-5, PTC-1-6, PTC-2-1, PTC-2-2, PTC-2-3, PTC-2-4, PTC-2-5, PTC-2-6, PTC-3-1, PTC-3-2, PTC-3-3, PTC-3-4, and PTC-3-6), 8 test cells-engine test (ER-02, ER-03, ER-04, ER-05, ER-06, ER-07, ER-08 and ER-09), 1 Ingersoll-Rand exhaustor-high altitude engine test (EX-03), 1 cold test exhaust-engine test (EX-50), 2 flight stands-engine test (FS-5 and FS-6), flow room (ST-3), hood oil testing (EX-06), and 2 special tests-engine test (ST-1 and ST-2). All engines utilize engine oil and either aviation gasoline or jet aviation fuel.

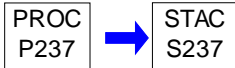
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**SECTION D. Source Level Requirements**

Source ID: P237

Source Name: PRE-2006 EMERGENCY INTERNAL COMBUSTION ENGINES

Source Capacity/Throughput:

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

The permittee shall not emit into the outdoor atmosphere of particulate matter, from Source ID P237, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grains per dry standard cubic foot.

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides, expressed as SO₂, from Source ID P237 in a manner that the concentration of the sulfur oxides in the effluent gas exceeds 500 parts per million, by volume, dry basis.

Operation Hours Restriction(s).**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6640]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?**

The hours of operation of Source ID P237 shall comply with the requirements specified in 40 CFR 63.6640(f).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

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

(a) The permittee shall keep records of the hours of operation of Source ID P237 on a monthly basis and the supporting calculations used to verify compliance with the operational hour limitation in any 12 consecutive month period.

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

005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What records must I keep?**

The permittee shall keep records pertaining to Source ID P237 as specified in 40 CFR 63.6655 and 40 CFR 63.6660.

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

(a) The permittee shall submit an annual report to the Department including the number of hours that Source ID P237 is operated on a monthly basis and supporting calculations used to verify compliance with the operational hour limitation in any 12 consecutive month period.

(b) The annual report shall be submitted no later than March 1 (for January 1 through December 31 of the previous year).

007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What reports must I submit and when?**

The permittee shall submit reports pertaining to Source ID P237 as specified in 40 CFR 63.6650.

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

[Additional authority for this streamlined permit condition is derived from 40 CFR §§ 63.6602 and 63.6603]

The permittee shall:

a) Change oil and filter of Source ID P237 every 500 hours of operation or annually, whichever comes first, unless the oil analyses detailed in 40 CFR 63.6625(i)-(j) indicates the oil does not need to be changed.

b) Inspect the air cleaner and/or spark plugs of Source ID P237 every 1,000 hours of operation or annually, whichever comes first.

c) Inspect all hoses and belts of Source ID P237 every 500 hours of operation or annually, whichever comes first, and replace as necessary.

009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

Pursuant to 40 CFR 63.6625(e), the permittee must operate and maintain Source ID P237 according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution control practice for minimizing emissions.

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

Source ID P237 consists of the following emergency stationary reciprocating internal combustion engines for which construction commenced prior to 2006:

a) One (1) 75 hp diesel fired Detroit Allison model 10347110 fire pump.

b) One (1) 14.5 hp natural gas fired Guardian model #04389 emergency generator.

011 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6585]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****Am I subject to this subpart?**

Source ID P237 is subject to 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for

**SECTION D. Source Level Requirements**

Stationary Reciprocating Internal Combustion Engines.

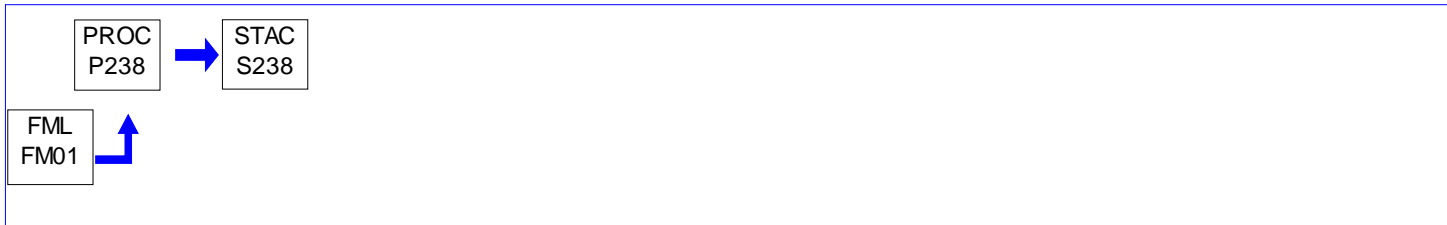
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**SECTION D. Source Level Requirements**

Source ID: P238

Source Name: NSPS JJJJ EMERGENCY GENERATORS

Source Capacity/Throughput:

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

[Additional authority for this permit condition is also derived from CFR § 60.4233(e)]

(a) The permittee shall operate the emergency generators included in Source ID P238 in a manner such that the rate of emissions from the stationary reciprocating internal combustion engines (RICE) do not exceed the following limitations:

- (i) Nitrogen Oxide - 2.0 grams per horsepower-hour
- (ii) Carbon Monoxide - 4.0 grams per horsepower-hour
- (iii) Volatile Organic Compound - 1.0 grams per horsepower-hour

(b) For purposes of this condition, when calculating emissions of volatile organic compounds, emissions of formaldehyde should not be included.

II. TESTING REQUIREMENTS.

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

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

[Additional authority for this permit condition is also derived from 40 CFR § 60.4237]

The stationary RICE associated with Source ID P238 shall be equipped with non-resettable hour meters that log the run-time of the engines.

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

[Additional authority for this permit condition is also derived from 40 CFR §§ 60.4245(a)-(b)]

(a) The permittee shall keep records of the following information pertaining to the stationary RICE associated with Source ID P238:

- (1) All notifications submitted to comply with the requirements of 40 CFR Part 60 Subpart JJJJ and all documentation supporting any notification.
- (2) Maintenance conducted on the engines.
- (3) Documentation from the manufacturer that the engines are certified to meet the emission standards and any

**SECTION D. Source Level Requirements**

information required in 40 CFR Part 1060.

(4) The hours of operation of each engine that is recorded through the non-resettable hour meter. The permittee shall document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

(b) These records shall be kept for a minimum of 5 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 (Title V General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR §§ 60.4243(a)(1) and 60.4243(b)(1)]

The stationary RICE associated with Source ID P238 shall be operated and maintained according to the manufacturer's emission-related written instructions. The permittee shall keep records of conducted maintenance to demonstrate compliance. The permittee shall also meet the requirements specified in 40 CFR part 1068, subparts A through D, as applicable. If the permittee adjusts engine settings according to and consistent with the manufacturer's instructions, Source ID P238 will not be considered out of compliance.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 40 CFR § 60.4243(d)]

The permittee shall operate the emergency generators included in Source ID P238 according to the requirements in paragraphs (1) through (3). Any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (3), is prohibited.

(1) There is no time limit on the use of Source ID P238 in emergency situations.

(2) The permittee may operate Source ID P238 for the purposes specified in paragraphs (2)(i) and (3) for a combined maximum of 100 hours per calendar year, per generator.

(i) Source ID P238 may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The permittee may petition the Department for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the permittee maintains records indicating that federal, state, or local standards require maintenance and testing of Source ID P238 beyond 100 hours per calendar year.

(3) Source ID P238 may be operated for up to 50 hours per calendar year in non-emergency situations, per generator. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (2). The 50 hours per year for non-emergency situations cannot be used for peak shaving or nonemergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

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

The stationary RICE associated with Source ID P238 are subject to the Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40 CFR Part 60 Subpart JJJJ). The permittee shall comply with all applicable requirements of 40 CFR §§ 60.4230 through 60.4248.

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

The stationary RICE associated with Source ID P238 are subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR Part 63 Subpart ZZZZ).

Pursuant to 40 CFR §63.6590(c)(1), the permittee shall meet the requirements of Subpart ZZZZ through compliance with the requirements of 40 CFR Part 60 Subpart JJJJ. No further requirements apply for Source ID P238 under Subpart ZZZZ.

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

Source ID P238 consists of the natural gas-fired emergency generators at the facility which are subject to New Source Performance Standards and includes the following individual sources:

- One (1) Kohler Model #125REZGB emergency generator powered by a 195 bhp natural gas-fired engine.
- One (1) Kohler Model #180REZXB emergency generator powered by a 302 bhp natural gas-fired engine.

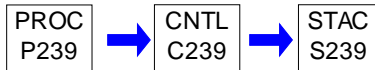
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: P239

Source Name: MAINTENANCE PAINT BOOTH

Source Capacity/Throughput:

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

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

The permittee shall not emit into the outdoor atmosphere of particulate matter, from Source ID P239, in a manner that the concentration of particulate matter in the effluent gas exceeds 0.01 grains per dry standard cubic foot.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 129.96 through 129.100]

The emission of volatile organic compounds from Source ID P239 shall not equal or exceed 2.7 tons in any 12 consecutive month period.

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

The total combined emission of hazardous air pollutants from the spray booth Source ID P239 shall not equal or exceed 1.0 tons in any 12 consecutive month period.

II. TESTING REQUIREMENTS.

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

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

The permittee shall equip Source ID P239 with instrumentation to monitor the differential pressure across the panel filters (ID C239) on a continuous basis.

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

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.100(d)]

The permittee shall keep records for the following information for Source ID P239:

- a) The emission of both volatile organic compounds and total combined hazardous air pollutants from Source ID P239 on a monthly basis and calculations used to verify compliance with the VOC and HAPs emission limitations in any 12 consecutive month period.
- b) The date and identity of the equipment coated in Source ID P239.
- c) The differential pressure across the panel filters (ID C239) at least once per day.

**SECTION D. Source Level Requirements**

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

V. REPORTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall submit semiannual reports on the emission of both volatile organic compounds and total combined hazardous air pollutants from Source ID P239 on a monthly basis and calculations used to verify compliance with the VOC and HAPs emission limitations in any 12 consecutive month period.

The semiannual reports shall be submitted to the Department no later than September 1 (for January through June) and March 1 (for July through December of the previous year).

VI. WORK PRACTICE REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall apply all coatings with a high-volume, low-pressure (HVLP) spray gun, except for touch up coating to which aerosol spray cans or roll and/or brush coatings can be utilized.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall utilize Source ID P239 for maintenance activities only. At no time shall the permittee surface coat any aerospace components or vehicles manufactured at the facility in Source ID P239.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep a full set of spare filter panels to replace any filter panel of ID C239 requiring replacement.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is derived from 25 Pa. Code Section 129.97(c)]

The permittee shall maintain and operate Source ID P239 in accordance with the manufacturer's specifications and with good operating practices.

VII. ADDITIONAL REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Source ID P239 is a Binks Model 30-2413 Open Face Floor Booth (ES-8) used to support maintenance work at the facility. The particulate emissions from Source ID P239 shall be controlled by panel filters (ID C239).

***** Permit Shield in Effect. *****



SECTION E. Source Group Restrictions.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

The following air contaminant sources are considered to be insignificant with regards to air contaminant emission and have been determined, by the Department, to be exempt from permit requirements. However, this determination does not exempt the sources from compliance with the conditions of a determination of exemption from plan approval (if exempted via RFD) and all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (1) Small metal working machines located throughout the facility with individual fabric collectors above each machine exhausting inside the facility.
- (2) One groundwater remediation air stripper located at the firehouse recovery well.
- (3) Wastewater treatment operation.
- (4) Three ELECTROPULS Ionizing Nitriders.
- (5) Aqueous Parts Cleaners and Wash Booths not included in Source ID P104. Note that any NG-fired combustion units used to heat aqueous parts cleaners are included in Source ID 031.
- (6) Dichromate Line
- (7) Cadmium Electroplating Line
- (8) Copper Plating Operation
- (9) Fluorescent Dye Penetrant Booth and Zyglo Machine
- (10) Automated Piston Line
- (11) Maintenance/Carpenter Shop Dust Collection System
- (12) Two MagnaFlux Inspection Tanks (MFI-17 and MFI-18)



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