

US NAVY NAVAL AIR STA JT RES BASE/ HORSHAM



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION AIR QUALITY PROGRAM

TITLE V/STATE OPERATING PERMIT

Issue Date: April 21, 2009 Effective Date: April 21, 2009

Expiration Date: April 21, 2014

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: 46-00079

Federal Tax Id - Plant Code: 23-2152095-1

Owner Information

Name: USN NAS JT RESERVE BASE

Mailing Address: CODE 992P, BLDG 78, PUBLIC WORKS DEPT

NAVAL AIR STATION JRB WILLOW GROVE

WILLOW GROVE, PA 19090

Plant Information

Plant: US NAVY NAVAL AIR STA JT RES BASE/ HORSHAM

Location: 46 Montgomery County 46931 Horsham Township

SIC Code: 9711 Public Admin. - National Security

Responsible Official

Name: NATHAN R PAUKOVITS
Title: LIEUTENANT COMMANDER

Phone: (215) 443 - 6221

Permit Contact Person

Name: GLORIA ABARCA

Title: ENVIRONMENTAL SCIENTIST

Phone: (215) 773 - 2106

[Signature]		

FRANCINE B CARLINI, SOUTHEAST REGION AIR PROGRAM MANAGER





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SECTION A. Site Inventory List

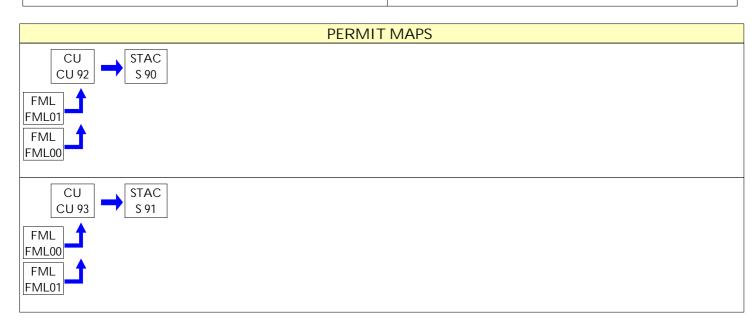
Source I	D Source Name	Capacity/	Throughput	Fuel/Material
CU 92	BUILDING 6DF BOILER 1	37.800	MMBTU/HR	
		270.000	Gal/HR	#2 Oil
		36.700	MCF/HR	
CU 93	BUILDING 6DF BOILER 2	37.800	MMBTU/HR	
		36.700	MCF/HR	Natural Gas
		270.000	Gal/HR	
CU 1	VARIOUS SMALL GENERATORS		N/A	Diesel Fuel
CU000	NATURAL GAS UNITS		N/A	Natural Gas
CU112	PAR(1) JET ENGINE TEST CELL-AIRFIELD/T56-16		N/A	JET FUEL
P 2A	BLDG 80 (1) PAINT BOOTH		N/A	
P 3	BLDG 180 (1) PAINT BOOTH			
P 4	BLDG 635 (1) PAINT BOOTH			
P 5	BLDG 680 (1) PAINT BOOTH			
P 10	BLDG 127 UST-VEHICLE FUELING			
P 78	BLDG 21 PLASTIC MEDIA BLAST BOOTH			
P 85	P85 HANGAR PAINTING			
C02A	P2A CONTROL DEIVCE			
C03	BLDG 180 CONTROL DEVICE			
C04	BLDG 635 CONTROL DEVICE			
C05	BLDG 680 CONTROL DEVICE			
C06	MOGAS TANK CD			
C78	P 78 CYCLONE			
C78-2	CARTRIDGE FILTER FOR SOURCE P 78			
FML00	NATURAL GAS			
FML01	#2 FUEL OIL			
FML26	AST-DIESEL; SERVICES KOHLER GENERATOR			
FML28	AST-DIESEL; SERVICES DETROIT FIRE PUMP			
FML29	AST-DIESEL; SERVICES KATO GENERATOR			
FML33	AST-DIESEL; SERVICES GM GENERATOR			
FML38	AST-SERVICES "UNKNOWN" GENERATOR			
FML57	JET ENGINE TEST CELLS			
FML59	AST SERVICING FIRETROL FIRE PUMP			
FML60	AST SERVICING FIRETROL PUMP			
FML61	JET ENGINE TEST CELLS			
S 24	80-TWR GENERATOR 1			
S 26	BLDG 126 GENERATOR 1 STACK			
S 27	BLDG 139 GENERATOR 1 STACK			
S 29	BLDG 178 GENERATOR 1 STACK			
S 30	BLDG 183 GENERATOR 1 STACK			
S 78	BLDG 176 HOT WATER HEATER STACK			



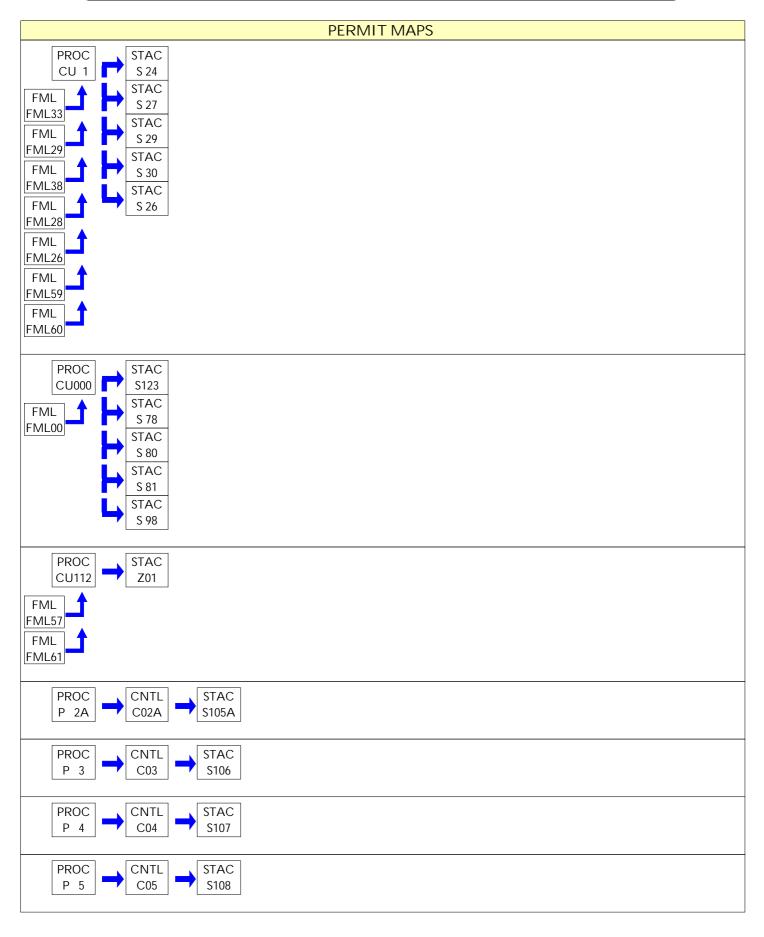


SECTION A. Site Inventory List

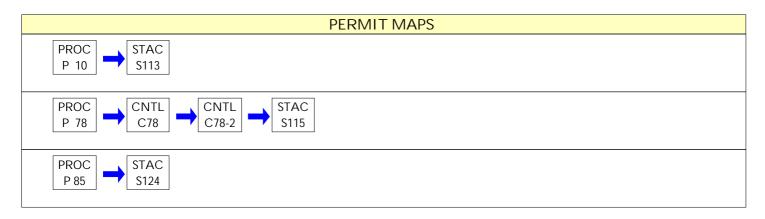
Source I	D Source Name	Capacity/Throughput	Fuel/Material
S 80	BLDG 176 STEAM BOILER 2 STACK		
S 81	BLDG 177 FURNACE 1 STACK		
S 90	6DF BOILER/STEAM PLANT STACK		
S 91	6DF BOILER/STEAM PLANT 2 STACK		
S 98	605 HEAT PUMP 1 STACK		
S105A	80 PAINT BOOTH STACK		
S106	180 PAINT BOOTH 1 STACK		
S107	635 PAINT BOOTH 1 STACK		
S108	680 PAINT BOOTH 1 STACK		
S113	127 UST-VEHICLE FUEL T-10 EMISSIONS		
S115	21 PLASTIC MEDIA BLAST B1 STACK		
S123	B650 HEATER STACK		
S124	HANGAR PAINTING EMISSIONS		
Z01	JET ENGINE TEST CELLS EMISSIONS		















#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 § 127.512(c)(4)]

Property Rights

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

#003 [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.

#004 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e) & 127.503]

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.
- (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 submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also 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.

#005 [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 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.

#006 [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.

#007 [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. Nothing in this subcondition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.





#008 [25 Pa. Code § 127.512(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.

#009 [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.

#010 [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.

#011 [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.





#012 [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.

#013 [25 Pa. Code §§ 121.1 & 127.462]

Minor Operating Permit Modifications

- (a) The permittee may make minor operating permit modifications (as defined in 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.
- (b) 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 an operational flexibility change authorized by 25 Pa. Code § 127.462.

#014 [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), according to procedures specified in § 127.450. Administrative amendments are not authorized for any amendment precluded by the Clean Air Act or the regulations thereunder from being processed as an administrative amendment.
- (b) Upon taking final action granting a request for an administrative permit amendment in accordance with § 127.450(c), the Department will allow coverage under 25 Pa. Code § 127.516 (relating to permit shield) for administrative permit amendments which meet the relevant requirements of 25 Pa. Code Article III, unless precluded by the Clean Air Act or the regulations thereunder.

#015 [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 to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#016 [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).
- (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.
- (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 administration fee according to the fee schedule established in 25 Pa. Code § 127.704(c) if the facility, identified in Subparagraph (iv) of the definition of the term "Title V facility" in 25 Pa. Code § 121.1, is subject to Title V after the EPA Administrator completes a rulemaking requiring regulation of those sources under Title V of the Clean Air Act.
- (f) This permit condition does not apply to a Title V facility which qualifies for exemption from emission fees under 35 P.S. § 4006.3(f).

#017 [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 NOx from a single source during the term of the permit and 5 tons of NOx 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.
- (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

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SECTION B. General Title V Requirements

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) applies to de minimis emission increases and the installation of minor sources made pursuant to this permit condition.
- (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.

#018 [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).



#019 [25 Pa. Code §§ 121.9 & 127.216]

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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 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.

#020 [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:

Air Enforcement Branch (3AP12)
United States Environmental Protection Agency
Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

(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.

#021 [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.

#022 [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.
- (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.

#023 [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 #020(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.

#024 [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 should be postmarked or hand-delivered within thirty days of each anniversary date of the date of issuance or, of the submittal date specified elsewhere in the permit, to the Department and EPA in accordance with the submission requirements specified in condition #020 of this section.

#025 [25 Pa. Code § 127.3]

Operational Flexibility

- (a) 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)
- (b) Unless precluded by the Clean Air Act or the regulations adopted thereunder, the permit shield authorized under 25 Pa. Code § 127.516 shall extend to operational flexibility changes made at this Title V facility pursuant to this permit condition and other applicable operational flexibility terms and conditions of this permit.

#026 [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.
- (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 Condition #24 of Section B of this Title V 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).

#027 [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.

#028 [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 on minor or significant permit modifications, and operational flexibility changes shall be covered by the permit shield. Upon taking final action granting a request for an administrative permit amendment, the Department will allow coverage of the amendment by the permit shield in § 127.516 for administrative amendments which meet the relevant requirements of 25 Pa. Code Article III.
- (d) The permit shield authorized under § 127.516 is in effect for the permit terms and conditions in this Title V permit, including administrative operating permit amendments and minor operating permit modifications.



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §121.7]

Prohibition of air pollution.

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

002 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

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

- (a) construction or demolition of buildings or structures;
- (b) grading, paving and maintenance of roads and streets;
- (c) use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets;
- (d) slearing of land;
- (e) stockpiling of materials; and
- (f) sources and classes of sources other than those identified in (a) (e) above, for which the operator has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
- (1) the emissions are of minor significance with respect to causing air pollution; and,
- (2) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #002 of this section, if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]

Limitations

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

005 [25 Pa. Code §123.41]

Limitations

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

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

006 [25 Pa. Code §123.42]

Exceptions

The limitations of Condition #005 of this section shall not apply to a visible emission in any of the following instances:

- (a) when the presence of uncombined water is the only reason for failure of the emission to meet the limitations; and
- (b) when the emission results from sources specified in Condition #002 of this section.

007 [25 Pa. Code §129.14]

Open burning operations

No person may permit the open burning of material in the Southeast Air Basin, except when the open burning results from:

- (a) a fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer;
- (b) any fire set for the purpose of instructing personnel in firefighting, when approved by the Department;





- (c) a fire solely set for cooking food;
- (d) a fire set solely for recreational or ceremonial purposes; and
- (e) a fire set for the prevention and control of disease or pests, when approved by the Department.

008 [25 Pa. Code §135.3]

Reporting

The permittee who has previously been advised by the Department to submit a source report, shall submit by March 1, of each year, a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported, inlcuding those soruces listed in the Miscellaneous Section of this permit..

The permittee may request an extension of time from the Department for the filing of a source report and the Department may grant the extension for reasonable cause.

II. TESTING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.513.]

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

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

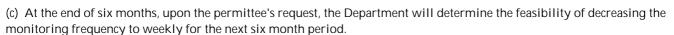
011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) The permittee shall monitor the facility, once per operating day, for the following:
- (1) odors, which the Department may determine to be objectionable;
- (2) visible emissions; and
- (3) fugitive particulate matter.
- (b) All detectable fugitive particulate emissions, and/or objectionable odors, that originated on-site and cross the property line as well as visible emissions that originate on site shall:
- (1) be investigated;
- (2) be reported to the facility management, or individual(s) designated by the permittee; and
- (3) be recorded in a permanent written log.





- (d) At the end of the second six month period, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.
- (e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification and the semi-annual report of monitoring and record keeping, complaints, monitoring results, and/or Department findings.

IV. RECORDKEEPING REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain a record of all reports of fugitive particulate emissions, visible emissions, and/or malodors including those that deviate from the terms and conditions of this permit. The records shall contain the following information:

- (a) date time, and location of incident(s);
- (b) results of investigation; and,
- (c) any corrective action taken, as well as action to prevent future occurrences.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The usage of coatings, thinners, reducers, additives and cleanup solvents will be tracked on a daily basis and summed on a 12-month rolling basis.
- (b) The VOC emissions will be recorded monthly.

014 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall maintains records showing:

- (a) A current list of cleaning solvents used and annual usage for handwiping solvents including 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.
- (b) A current list and annual usage information for exempt hand wipe cleaning solvents with a vapor pressure greater than 45 millimeters of mercury (mmHg) used in exempt hand-wipe cleaning operations.

V. REPORTING REQUIREMENTS.

015 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Department has changed the deviation and compliance certification reporting requirements. The initial reports for (a) and (b), below, shall be due on the dates provided and may cover only a partial reporting period.

The permittee shall submit the following reports:

- (a) An annual certificate of compliance, due by April 1st of each year, for the period covering January 1 through December 31 of the previous year. This certificate of compliance shall document compliance with all permit terms and conditions set forth in this Title V permit as required under condition #24 of section B of this permit.
- (b) A semi annual deviation report, due by October 1, of each year, for the period covering January 1 through June 30 of the current year.

Note: The annual certification of compliance fulfills the obligation for the second deviation reporting period (July 1





through December 31 of the previous year).

016 [25 Pa. Code §135.21]

Emission statements

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

VI. WORK PRACTICE REQUIREMENTS.

017 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

A person responsible for any source specified in Condition #002 of this section shall take all reasonable actions to prevent particulate matter from being airborne. These actions shall include, but are not limited to, the following:

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

018 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

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

019 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) All lids from drums and containers containing Volatile Organic Compounds shall be kept closed except when the contents are being transferred.
- (b) Any spills of solvents shall be cleaned up as soon as possible.
- (c) The permittee shall implement an employee training program for all new and existing personnel involved in cleaning operations. This training shall address the effects of VOCs on the environment, methods of reducing VOC usage, and the requirements of this operating permit. The training program shall also include the following:
- (1) a list of all personnel by name and job description that are required to be trained;
- (2) an outline of the subjects to be covered in the initial and annual refresher training for each person, or group of personnel;
- (3) lesson plans that include appropriate application techniques and management of cleanup wastes; and,
- (4) a description of the methods to be used at the completion of initial or refresher training to demonstrate and document successful completion.

020 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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



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SECTION C. Site Level Requirements

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

021 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

If an unauthorized modification of any source(s) occurs at this facility, then this permit, as it pertains to the modified source(s), may be suspended and the source(s) shall not be operated until the modification is authorized by the Department.

022 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

Exemptions as per 25 Pa. Code 129.73(8)

- (8) The following aerospace vehicle and component solvent cleaning operations are exempt from Paragraph (7):
- (i) Cleaning during the manufacture, assembly, installation, maintenance or testing of components of breathing oxygen systems that are exposed to the breathing oxygen.
- (ii) Cleaning during the manufacture, assembly, installation, maintenance or testing of parts, subassemblies or assemblies that are exposed to strong oxidizers or reducers (for example, nitrogen tetroxide, liquid oxygen, hydrazine).
- (iii) Cleaning and surface activation prior to adhesive bonding.
- (iv) Cleaning of electronics parts and assemblies containing electronics parts.
- (v) Cleaning of aircraft and ground support equipment fluid systems that are exposed to the fluid, including air-to-air heat exchangers and hydraulic fluid systems.
- (vi) Cleaning of fuel cells, fuel tanks and confined spaces.
- (vii) Surface cleaning of solar cells, coated optics and thermal control surfaces.
- (viii) Cleaning during fabrication, assembly, installation and maintenance of upholstery, curtains, carpet and other textile materials used in or on the interior of the aircraft.
- (ix) Cleaning of metallic and nonmetallic materials used in honeycomb cores during the manufacture or maintenance of these cores, and cleaning of the completed cores used in the manufacture of aerospace vehicles or components.
- (x) Cleaning of aircraft transparencies, polycarbonate or glass substrates.
- (xi) Cleaning and solvent usage associated with research and development, quality control or laboratory testing.
- (xii) Cleaning operations, using nonflammable liquids, conducted within 5 feet of any alternating current (AC) or direct current (DC) electrical circuit on an assembled aircraft once electrical power is connected, including interior passenger and cargo areas, wheel wells and tail sections.
- (xiii) Cleaning operations identified in an essential use waiver under Section 604(d)(1) of the Clean Air Act (42 U.S.C.A. 7671c(d)(1)) or a fire suppression or explosion prevention waiver under Section 604(g)(1) of the Clean Air Act which has been reviewed and approved by the EPA and the voting parties of the International Montreal Protocol Committee.



023 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

HAND-WIPING CLEANING

A person may not use solvents for hand-wipe cleaning of aerospace vehicles or components unless the cleaning solvents do one of the following:

- (1) Meet the definition of 'aqueous cleaning solvent' in that the solvent is at least 80% by weight of the solvent. Aqueous cleaning solutions have a flash point greater than 93 deg C (200 deg F) (as reported by the manufacturer) and the solution is miscible with water.
 - (2) Have a VOC composite vapor pressure less than or equal to 45 millimeters (mmHg) at 20 deg C.
- (3) Is composed of a mixture of VOCs and has a maximum vapor pressure of 7 millimeters (mmHg) at 20 deg C (3.75 inches water at 68 deg F) and contains no hazardous air pollutants (HAP) or ozone depleting compounds.

024 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

CLEANING SOLVENTS

Cleaning solvents, except for semiaqueous cleaning solvents, used in the flush cleaning of aerospace vehicles, components, parts, and assemblies and coating unit components, shall be emptied into an enclosed container or collection system that is kept closed when not in use or captured with wipers which comply with the housekeeping requirements. Aqueous cleaning solvents are exempt from these requirements.

025 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

HOUSEKEEPING MEASURES FOR CLEANING SOLVENTS

The permittee shall implement the following housekeeping measures for cleaning solvents:

- (1) 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.
- (2) 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.
- (3) 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.



46-00079

US NAVY NAVAL AIR STA JT RES BASE/ HORSHAM

SECTION C. Site Level Requirements

VII. ADDITIONAL REQUIREMENTS.

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

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).

COMPLIANCE SCHEDULE.

No compliance milestones exist.

*** Permit Shield In Effect ***

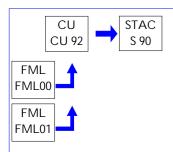


Source ID: CU 92 Source Name: BUILDING 6DF BOILER 1

Source Capacity/Throughput: 37.800 MMBTU/HR

270.000 Gal/HR #2 Oil

36.700 MCF/HR



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Particulate matter emissions shall not be in excess of 0.4 lbs/MMBtu of heat input.

[Compliance with this permit condition assures compliance with 23 Pa. Code § 123.11.]

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The sulfur content of No. 2 oil shall not exceed 0.3%, by weight.

[Compliance with this permit condition assures compliance with 23 Pa. Code §§ 123.21 and 123.22(e)(1).]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions to the atmosphere shall not exceed any of the following:

- (a) 30 ppmdv NOx at 3% O2 when firing gas;
- (b) 90 ppmdv NOx at 3% O2 when firing No. 2 fuel oil; and
- (c) 300 ppmdv CO at 3% O2.

Fuel Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This boiler shall only be operated on natural gas and/or #2 fuel oil.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §139.16]

Sulfur in fuel oil.

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





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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the quantity, and type, of fuel consumed on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall retain the following records:

- (a) fuel firing rate on a monthly basis to determine the SOx emissions in accordance with 40 CFR § 60.48c(d); and
- (b) monthly records of fuel usage and type.

V. REPORTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall notify the Department in writing, within 24 hours of the discovery during a business day or by 5:00 pm on the first business day after a weekend or holiday, of any malfunction of the combustion unit which results in, or may result in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III (relating to air resources).

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Semi-annual reports shall be submitted by the permittee in accordance with 40 CFR §§ 60.48c(d), 60.48c(e)(11) and 60.48c(j). This report shall be due on or before December 30 and June 30, of each year, and shall cover the reporting period of June 1 through November 30, and from December 1 through May 30, respectively.

The EPA copies shall be forwarded to:

Air Enforcement Branch

Mail Code 3AP12

US EPA, Region III

1650 Arch Street

Philadelphia PA 19103-2029

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***

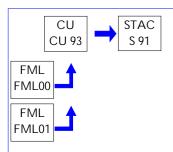


Source ID: CU 93 Source Name: BUILDING 6DF BOILER 2

Source Capacity/Throughput: 37.800 MMBTU/HR

36.700 MCF/HR Natural Gas

270.000 Gal/HR



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Particulate matter emissions shall not be in excess of 0.4 lbs/MMBtu of heat input.

[Compliance with this permit condition assures compliance with 23 Pa. Code § 123.11.]

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The sulfur content of No. 2 oil shall not exceed 0.3%, by weight.

[Compliance with this permit condition assures compliance with 23 Pa. Code §§ 123.21 and 123.22(e)(1).]

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Emissions to the atmosphere shall not exceed any of the following:

- (a) 30 ppmdv NOx at 3% O2 when firing gas;
- (b) 90 ppmdv NOx at 3% O2 when firing No. 2 fuel oil; and
- (c) 300 ppmdv CO at 3% O2.

Fuel Restriction(s).

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This boiler shall only be operated on natural gas and/or #2 fuel oil.

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Sulfur in fuel oil.

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



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SECTION D. Source Level Requirements

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

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the quantity, and type, of fuel consumed on a monthly basis.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall retain the following records:

- (a) fuel firing rate on a monthly basis to determine the SOx emissions in accordance with 40 CFR § 60.48c(d); and
- (b) monthly records of fuel usage and type.

V. REPORTING REQUIREMENTS.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall notify the Department in writing, within 24 hours of the discovery during a business day or by 5:00 pm on the first business day after a weekend or holiday, of any malfunction of the combustion unit which results in, or may result in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code, Subpart C, Article III (relating to air resources).

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Semi-annual reports shall be submitted by the permittee in accordance with 40 CFR §§ 60.48c(d), 60.48c(e)(11) and 60.48c(j). This report shall be due on or before December 30 and June 30, of each year, and shall cover the reporting period of June 1 through November 30, and from December 1 through May 30, respectively.

The EPA copies shall be forwarded to:

Air Enforcement Branch

Mail Code 3AP12

US EPA, Region III

1650 Arch Street

Philadelphia PA 19103-2029

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

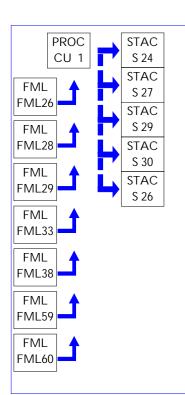
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).

*** Permit Shield in Effect. ***



Source ID: CU 1 Source Name: VARIOUS SMALL GENERATORS

Source Capacity/Throughput: N/A Diesel Fuel



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

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

[Compliance with this streamlined permit condition also assures compliance with 40 CFR § 60.4205(b).]

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from the generators in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 ppmvd.

003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?

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

Air emissions from the 400 kW Katolight shall not exceed any of the following:

- (a) CO 3.5 grams/kw-hr; and
- (b) NMHC plus NOx 4.0 grams/kw-hr.





Operation Hours Restriction(s).

004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211] Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine? [Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The 400 kW Katolight emergency generator shall not be operated more than 100 hours in any 12 consecutive month period for the purposes of maintenance and readiness checks.

II. TESTING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Once per calendar year and using a Department approved portable analyzer, the permittee shall measure and record the PM, CO, and NOx emissions to demonstrate complinance with the emission liimts for the 400 kW Katolight generator.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permitee shall monitor the following, when in operation:

- (a) the amount of fuel used; and
- (b) the hours of operation.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permitee shall keep record of the following, when in operation:

- (a) the amount of fuel used;
- (b) the hours of operation.

008 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?

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

The permittee shall retain the diesel fuel records documenting compliance with the requirements found in 40 CFR § 80.510.

009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]
Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?

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

For the 400 kW Katolight emergency generator, the permittee shall record the hours of operation for the purposes of maintenance and readiness checks on a monthly and a 12 consecutive month basis.



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.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93 and 40 CFR § 60.4211.]

This source shall be operated and maintained in accordance with manufacturer's specifications.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The hours of operation for each of the emergency generators shall be monitored with a non-resettable hour meter.

[compliance with this streamlined permit condition assures compliance wth 40 CFR 60.4209.]

012 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to this subpart?

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

For the 400 kW Katolight unit installed in 2008, the permittee shall ensure that the diesel fuel meets the requirements found in 40 CFR § 80.510.

VII. ADDITIONAL REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

CU1 - Various Small Generators represents the following diesel-fueled generators:

- 11 portable generators each having a rated capacity of 60kW;
- 20 generators whose rated capacity is between 30kW and 280kW;
- 13 fire pumps whose rated capacity is between 146kW and 246kW;
- 3 generators whose rated capacity are 207 hp (Source 107), 394 hp (Source 108) and 165 hp (Source 109) located in Buildings 650, 2 and 137 respectively; and
- one diesel-fired generator located in building 609 and installed in February 2008.

*** Permit Shield in Effect. ***

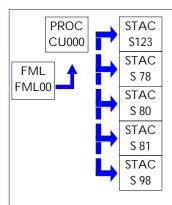
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SECTION D. Source Level Requirements

Source ID: CU000 Source Name: NATURAL GAS UNITS

Source Capacity/Throughput: N/A Natural Gas



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from these units in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 ppmvd.

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permitee shall monitor the following, when in operation:

- (a) the amount of fuel used; and
- (b) the hours of operation.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permitee shall keep record of the following, when in operation:

(a) the amount of fuel used;





SECTION D.

Source Level Requirements

(b) the hours of operation.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93 and 40 CFR § 60.4211.]

This source shall be operated and maintained in accordance with manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This source consists of:

- unit heaters including Source CU 111, heater @ 0.3 MMBtu/hr;
- hot water heaters;
- furnaces:
- pool heater;
- infrared heaters;
- digester heater; and
- heat pumps.

*** Permit Shield in Effect. ***

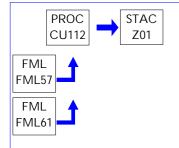
DEP Auth ID: 631405





Source ID: CU112 Source Name: PAR(1) JET ENGINE TEST CELL-AIRFIELD/T56-16

Source Capacity/Throughput: N/A JET FUEL



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO2, in the effluent gas exceeds 500 ppmvd.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) The total Nitrogen Oxide (NOx) emissions from the four (4) Jet Engine Test Cells shall not exceed nine (9) tons in any twelve (12) month rolling period.
- (b) The total Volatile Organic Compounds (VOC) emissions from the four (4) Jet Engine Test Cells shall not exceed nine (9) tons in any twelve (12) month rolling 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.

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

The permittee shall calculate the NOx and VOC emissions on a monthly and twelve (12) rolling basis.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permitee shall monitor the following, when in operation:





SECTION D.

Source Level Requirements

- (a) the amount of fuel used; and
- (b) the hours of operation.

IV. RECORDKEEPING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall maintain records of the NOx and VOC emissions on a monthly and twelve (12) rolling calculations.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permitee shall keep record of the following, when in operation:

- (a) the amount of fuel used;
- (b) the hours of operation.

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.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code § 129.93 and 40 CFR § 60.4211.]

This source shall be operated and maintained in accordance with manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

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

*** Permit Shield in Effect. ***



Source ID: P 2A Source Name: BLDG 80 (1) PAINT BOOTH

Source Capacity/Throughput: N/A



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 25 Pa. Code § 127.512]

The Volatile Organic Compounds (VOCs) emissions from all the aerospace surface coating processes that occur on site shall not exceed 3 pounds per hour, 15 pounds per day and 2.7 tons per year on a twelve (12) month rolling basis.

002 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

During inspection, the operator shall visually inspect seals and all other potential sources of leaks at least monthly. The operator shall repair spray gun leaks (visible, misting, and clouding) within 14 days of discovery. If the leak is not repaired by the 15th day after inspection, the permittee shall remove solvent and shut down enclosed cleaner until leak is repaired or use of cleaner permanently discontinued.

The permittee shall train all employees who may be involved with aerospace cleaning solvent storage and transfer and aerospace solvent application on these requirements. The permittee shall post this requirement in all areas where aerospace cleaning solvents are stored, transferred and applied.

003 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

ALLOWABLE COATING VOC LIMIT

- (a) A person may not apply to aerospace vehicles or components, aerospace specialty coatings, primers, topcoats and chemical milling maskants including VOC-containing materials added to the original coating supplied by the manufacturer that contain VOCs in excess of the limits specified in Table II of 25 Pa. Code § 129.73.
- (1) Aerospace coatings that meet the definitions of the specific coatings in Table II shall meet those allowable coating VOC limits.
- (2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general coating VOC limits for aerospace primers, aerospace topcoats and aerospace chemical milling maskants.
- (b) Subcondition (a), above, does not apply to cleaning and coating of aerospace components and vehicles in the following circumstances:
- (1) the use of touchup, aerosol and Department of Defense "classified" coatings;
- (2) the coating of space vehicles; or
- (3) at facilities that use 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.

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 §129.52]

Surface coating processes

Additional authority for this permit condition is derived from 25 Pa. Code § 129.73(13)]

The permittee shall monitor daily:

- (a) The following parameters for each coating, thinner and other component as supplied:
- (i) The coating, thinner or component name and identification number.
- (ii) The volume used.
- (iii) The mix ratio.
- (iv) The density or specific gravity.
- (v) The weight percent of solids for Table I surface coating process categories 1 10 (25 Pa. Code § 129.52), when applicable
- (b) The VOC content of each coating, thinner and other component as supplied.
- (c) The VOC content of each as applied coating.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §129.52]

Surface coating processes

Additional authority for this permit condition is derived from 25 Pa. Code § 129.73(13)]

The permittee shall maintain daily records:

- (1) The following parameters for each coating, thinner and other component as supplied:
- (i) The coating, thinner or component name and identification number.
- (ii) The volume used.
- (iii) The mix ratio.
- (iv) The density or specific gravity.
- (v) The weight percent of solids for Table I surface coating process categories 1 10 (25 Pa. Code § 129.52), when applicable.
- (b) The VOC content of each coating, thinner and other component as supplied.
- (c) The VOC content of each as applied coating.
- (d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73 showing VOC content as applied and usage on an annual basis.

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.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall seal VOC materials in containers when not in use and store containers in lockers.
- (b) The permittee shall train operators in proper handling of VOCs and post procedures.

007 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall train all employees who may be involved with aerospace coating application on this requirement. The permittee shall post this requirement in all areas where aerospace coatings may be applied.





008 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

SPRAY GUNS

Spray guns used to apply aerospace coatings shall be cleaned by one (1) 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. 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 two (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.

009 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

APPLICATION TECHNIQUES

A person shall use one or more of the following application techniques in applying primer or topcoat to aerospace vehicles or components:

- (a) Flow/curtain coat:
- (b) Dip coat;
- (c) Roll coating;
- (d) Brush coating;
- (e) Cotton-tipped swab application;
- (f) Electrodeposition (DIP) coating;
- (g) High volume low pressure (HVLP) spraying; and
- (h) Electrostatic spray.

010 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall train all employees who may be involved with enclosed cleaning systems for spray guns used for aerospace coating application on this requirement. The permittee shall post this requirement in all areas where enclosed cleaning systems are used to clean spray guns used to apply.

011 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

- (a) The permittee shall train all employees who may be involved with flush cleaning aerospace cleaning or aerospace coating unit components on this requirement. The permittee shall post this requirement in all areas where aerospace equipment or aerospace coating unit components may be flush-cleaned.
- (b) The permittee shall train all employees who may be involved with cleaning spray guns used for aerospace coating application on the requirement. This requirement shall be posted in all areas where spray guns used to apply aerospace coatings may be cleaned.





VII. ADDITIONAL REQUIREMENTS.

012 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

Exemption as per 25 Pa. Code § 129.73(6)

The following situations are exempt from application equipment requirements listed in Paragraph 5 of 25 Pa. Code 129.73:

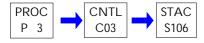
- (a) Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly apply coatings to limited access spaces.
- (b) The application of specialty coatings.
- (c) The application of coatings that contain fillers that adversely affect atomization with HVLP spray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



Source ID: P 3

Source Name: BLDG 180 (1) PAINT BOOTH

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 25 Pa. Code § 129.512]

The aggregate Volatile Organic Compounds (VOCs) emissions from all aerospace surface coating processes that occur on site shall not exceed 3 pounds per hour, 15 pounds per day and 2.7 tons per year on a twelve (12) month rolling basis.

Throughput Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Painting in this booth shall only be performed with aerosol cans.

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.

003 [25 Pa. Code §129.52]

Surface coating processes

Additional authority for this permit condition is derived from 25 Pa. Code § 129.73(13)]

The permittee shall monitor daily:

- (a) The following parameters for each coating as supplied:
- (1) The coating name and identification number.
- (2) The volume used.
- (3) The density or specific gravity.
- (4) The weight percent of solids for Table I surface coating process categories 1 10 (25 Pa. Code § 129.52), when applicable
- (b) The VOC content of each as applied coating.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §129.52]

Surface coating processes

Additional authority for this permit condition is derived from 25 Pa. Code § 129.73(13)]

The permittee shall maintain daily records of:

- (a) The following parameters for each coating as supplied:
- (1) The coating name and identification number.
- (2) The volume used.







- (3) The density or specific gravity.
- (4) The weight percent of solids for Table I surface coating process categories 1 10 (25 Pa. Code § 129.52), when applicable.
- (b) The VOC content of each as applied coating.
- (c) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73 showing VOC content as applied and usage on an annual basis.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

When not in use, the permittee shall store all VOC containing materials in lockers.

006 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall train all employees who may be involved with aerospace coating applications. This requirement shall be posted in all areas where aerospace coatings may be applied.

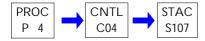
VII. ADDITIONAL REQUIREMENTS.

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



Source ID: P 4 Source Name: BLDG 635 (1) PAINT BOOTH

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 25 Pa. Code § 127.512]

The Volatile Organic Compounds (VOCs) emissions from all the aerospace surface coating processes that occur on site shall not exceed 3 pounds per hour, 15 pounds per day and 2.7 tons per year on a twelve (12) month rolling basis.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The Volatile Organic Compound (VOC) emissions from the use of coatings, thinners, reducers, additives and cleanup solvents used in this equipment shall not exceed 9.1 pounds per hour and 1.5 tons per year.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Particulate Matter (PM) emissions from this source shall not exceed 0.23 lb/hr and 66.5 lbs in any twelve (12) consecutive month period.

004 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

During inspection, the operator shall visually inspect seals and all other potential sources of leaks at least monthly. The operator shall repair spray gun leaks (visible, misting, and clouding) within 14 days of discovery. If the leak is not repaired by the 15th day after inspection, the permittee shall remove solvent and shut down enclosed cleaner until leak is repaired or use of cleaner permanently discontinued.

The permittee shall train all employees who may be involved with aerospace cleaning solvent storage and transfer and aerospace solvent application on these requirements. The permittee shall post this requirement in all areas where aerospace cleaning solvents are stored, transferred and applied.

005 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

ALLOWABLE COATING VOC LIMIT

- (a) A person may not apply to aerospace vehicles or components, aerospace specialty coatings, primers, topcoats and chemical milling maskants including VOC-containing materials added to the original coating supplied by the manufacturer that contain VOCs in excess of the limits specified in Table II of 25 Pa. Code § 129.73.
- (1) Aerospace coatings that meet the definitions of the specific coatings in Table II shall meet those allowable coating VOC limits.
- (2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general coating VOC limits for aerospace primers, aerospace topcoats and aerospace chemical milling maskants.
- (b) Subcondition (a), above, does not apply to cleaning and coating of aerospace components and vehicles in the following



circumstances:

- (1) the use of touchup, aerosol and Department of Defense "classified" coatings;
- (2) the coating of space vehicles; or
- (3) at facilities that use 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.

Operation Hours Restriction(s).

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) The hours of operations for the paint spray process shall not exceed 500 hours of operation per year.
- (b) The paint spray process shall include the spraying of various vehicles and other miscellaneous items such as drip pans, jack stands, etc.

Control Device Efficiencies Restriction(s).

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

In operation, the pressure differential of the exhaust filters shall not exceed 1.5 inches of water, to be determined when 80% of the exhaust air velocity is realized after passing through a clogged filter.

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.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall monitor the following daily:

- (a) the usage of the coatings, thinners, reducers, additives and cleanup solvents;
- (b) the VOC content of the coatings, thinners, reducers, additives and cleanup solvents;
- (c) the pressure differential of the exhaust filters; and
- (d) the hours of operation

The permittee shall calculate the Particulate matter (PM) and Volatile Organic Compound (VOC) emissions daily, monthly and on a twelve month rolling to ensure complaince with the emission limitations.

IV. RECORDKEEPING REQUIREMENTS.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall maintain daily records of





- (a) the usage of the coatings, thinners, reducers, additives and cleanup solvents;
- (b) the VOC content of the coatings, thinners, reducers, additives and cleanup solvents;
- (c) the pressure differential of the exhaust filters; and
- (d) the hours of operation

The permittee shall maintain records showing the daily, monthly and on a twelve month rolling calculations of the Particulate Matter (PM) and Volatile Organic Compound (VOC) emissions.

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.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall seal VOC materials in containers when not in use and store containers in lockers.
- (b) The permittee shall train operators in proper handling of VOCs and post procedures.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The total quantity of coatings, thinners, reducers, additives and cleanup solvents used in this equipment shall not exceed 250 pounds of paint in any calender month.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall conduct the following:

- (a) Install and maintain a gauge to indicate the static pressure differential across the exhaust filters.
- (b) Not operate this paint spray booth unless all exhaust air passes through the two (2) dry filter media. Each filter media shall be at least two (2) inches thick.
- (c) Keep on hand sufficient standard dry filters of dimensions (20 x 20 x 2) cubic inches of the same make as the original or equivalent, approved by the Department, as spares for changeouts.
- (d) Use coatings, adhesives, inks, reducers, thinners, and cleanup solvents on this equipment that do not contain any compounds identified as carcinogenic air contaminants or an air toxic as defined in the Department's Air Toxic Guidelines (ATG).

013 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall train all employees who may be involved with aerospace coating application on this requirement. The permittee shall post this requirement in all areas where aerospace coatings may be applied.

014 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

SPRAY GUNS



Spray guns used to apply aerospace coatings shall be cleaned by one (1) 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. 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 two (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.

015 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

APPLICATION TECHNIQUES

A person shall use one or more of the following application techniques in applying primer or topcoat to aerospace vehicles or components:

- (a) Flow/curtain coat;
- (b) Dip coat;
- (c) Roll coating;
- (d) Brush coating;
- (e) Cotton-tipped swab application;
- (f) Electrodeposition (DIP) coating;
- (g) High volume low pressure (HVLP) spraying; and
- (h) Electrostatic spray.

016 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall train all employees who may be involved with enclosed cleaning systems for spray guns used for aerospace coating application on this requirement. The permittee shall post this requirement in all areas where enclosed cleaning systems are used to clean spray guns used to apply.

017 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

- (a) The permittee shall train all employees who may be involved with flush cleaning aerospace cleaning or aerospace coating unit components on this requirement. The permittee shall post this requirement in all areas where aerospace equipment or aerospace coating unit components may be flush-cleaned.
- (b) The permittee shall train all employees who may be involved with cleaning spray guns used for aerospace coating application on the requirement. This requirement shall be posted in all areas where spray guns used to apply aerospace coatings may be cleaned.

VII. ADDITIONAL REQUIREMENTS.

018 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

Exemption as per 25 Pa. Code § 129.73(6)





The following situations are exempt from application equipment requirements listed in Paragraph 5 of 25 Pa. Code 129.73:

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



Source ID: P 5

Source Name: BLDG 680 (1) PAINT BOOTH

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

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

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The Volatile Organic Compounds (VOCs) emissions from all the aerospace surface coating processes that occur on site shall not exceed 3 pounds per hour, 15 pounds per day and 2.7 tons per year on a twelve (12) month rolling basis.

003 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

During inspection, the operator shall visually inspect seals and all other potential sources of leaks at least monthly. The operator shall repair spray gun leaks (visible, misting, and clouding) within 14 days of discovery. If the leak is not repaired by the 15th day after inspection, the permittee shall remove solvent and shut down enclosed cleaner until leak is repaired or use of cleaner permanently discontinued.

The permittee shall train all employees who may be involved with aerospace cleaning solvent storage and transfer and aerospace solvent application on these requirements. The permittee shall post this requirement in all areas where aerospace cleaning solvents are stored, transferred and applied.

004 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

ALLOWABLE COATING VOC LIMIT

- (a) A person may not apply to aerospace vehicles or components, aerospace specialty coatings, primers, topcoats and chemical milling maskants including VOC-containing materials added to the original coating supplied by the manufacturer that contain VOCs in excess of the limits specified in Table II of 25 Pa. Code § 129.73.
- (1) Aerospace coatings that meet the definitions of the specific coatings in Table II shall meet those allowable coating VOC limits.
- (2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general coating VOC limits for aerospace primers, aerospace topcoats and aerospace chemical milling maskants.
- (b) Subcondition (a), above, does not apply to cleaning and coating of aerospace components and vehicles in the following circumstances:
- (1) the use of touchup, aerosol and Department of Defense "classified" coatings;
- (2) the coating of space vehicles; or
- (3) at facilities that use 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.

46-00079

SECTION D. Source Level Requirements

Control Device Efficiencies Restriction(s).

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

During operation, the pressure differential across the exhaust filters shall not exceed 1.5 inches of water.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The paint spray shall be controlled by:

- (a) a High Volume-Low Pressure (HVLP) paint application system with an average transfer efficiency of 65%; and
- (b) a Bank of Viskon-Aire fiberglass filters, Model No. VIS017-202, or the equivalent approved by the Department with particulate matter overall removal efficiency for this painting application of at least 98%.

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.

007 [25 Pa. Code §129.52]

Surface coating processes

Additional authority for this permit condition is derived from 25 Pa. Code § 129.73(13)]

The permittee shall monitor daily:

- (a) The following parameters for each coating, thinner and other component as supplied:
- (i) The coating, thinner or component name and identification number.
- (ii) The volume used.
- (iii) The mix ratio.
- (iv) The density or specific gravity.
- (v) The weight percent of solids for Table I surface coating process categories 1 10 (25 Pa. Code § 129.52), when applicable
- (b) The VOC content of each coating, thinner and other component as supplied.
- (c) The VOC content of each as applied coating.

IV. RECORDKEEPING REQUIREMENTS.

008 [25 Pa. Code §129.52]

Surface coating processes

Additional authority for this permit condition is derived from 25 Pa. Code § 129.73(13)]

The permittee shall maintain daily records:

- (1) The following parameters for each coating, thinner and other component as supplied:
- (i) The coating, thinner or component name and identification number.
- (ii) The volume used.
- (iii) The mix ratio.
- (iv) The density or specific gravity.
- (v) The weight percent of solids for Table I surface coating process categories 1 10 (25 Pa. Code § 129.52), when applicable.



SECTION D.

Source Level Requirements

- (b) The VOC content of each coating, thinner and other component as supplied.
- (c) The VOC content of each as applied coating.
- (d) A current list of coatings in use categorized in accordance with Table II of 25 Pa. Code § 129.73 showing VOC content as applied and usage on an annual basis.

009 [25 Pa. Code §129.52]

Surface coating processes

The operator shall record coating composition for each coating used.

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.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall seal VOC materials in containers when not in use and store containers in lockers.
- (b) The permittee shall train operators in proper handling of VOCs and post procedures.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permittee shall conduct the following:

- (a) perform the aircraft parts surface preparation, exclusively in the booth area while the exhaust system is operating;
- (b) perform spray painting, exclusively in the paint booth using HVLP paint application system;
- (c) not operate the spray paint booth unless all exhaust air passes through the dry filtering system;
- (d) keep on hand spare filters for replacements; and
- (e) maintain a pressure gauge to indicate the static poresure differential across the exhaust filters.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

- (a) The permittee shall operate and maintain this source and its control equipment in a manner consistent with good air pollution control practices.
- (b) The practices shall include but not limited to the following:
- (1) good housekeeping procedures for storage, use and disposal of solvent;
- (2) employee training detailing good work proctices and complete and accurate recordkeeping; and
- (3) lidded solvent and paint containers when not in use.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

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

The permitee shall:

- (a) inspect the filters daily for gaps and/or holes; and
- (b) replace the filters monthly, or as needed.



014 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall train all employees who may be involved with aerospace coating application on this requirement. The permittee shall post this requirement in all areas where aerospace coatings may be applied.

015 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

SPRAY GUNS

Spray guns used to apply aerospace coatings shall be cleaned by one (1) 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. 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 two (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.

016 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

APPLICATION TECHNIQUES

A person shall use one or more of the following application techniques in applying primer or topcoat to aerospace vehicles or components:

- (a) Flow/curtain coat;
- (b) Dip coat;
- (c) Roll coating;
- (d) Brush coating;
- (e) Cotton-tipped swab application;
- (f) Electrodeposition (DIP) coating;
- (g) High volume low pressure (HVLP) spraying; and
- (h) Electrostatic spray.

017 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall train all employees who may be involved with enclosed cleaning systems for spray guns used for aerospace coating application on this requirement. The permittee shall post this requirement in all areas where enclosed cleaning systems are used to clean spray guns used to apply.

018 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

(a) The permittee shall train all employees who may be involved with flush cleaning aerospace cleaning or aerospace







coating unit components on this requirement. The permittee shall post this requirement in all areas where aerospace equipment or aerospace coating unit components may be flush-cleaned.

(b) The permittee shall train all employees who may be involved with cleaning spray guns used for aerospace coating application on the requirement. This requirement shall be posted in all areas where spray guns used to apply aerospace coatings may be cleaned.

VII. ADDITIONAL REQUIREMENTS.

019 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

Exemption as per 25 Pa. Code § 129.73(6)

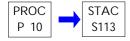
The following situations are exempt from application equipment requirements listed in Paragraph 5 of 25 Pa. Code 129.73:

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



Source ID: P 10 Source Name: BLDG 127 UST-VEHICLE FUELING

Source Capacity/Throughput:



I. RESTRICTIONS.

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

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.

001 [25 Pa. Code §129.62]

General standards for bulk gasoline terminals/plants, and small gasoline storage tanks

- (a) The permittee must perform a visual inspection of vapor balance system in Bldg. 127 gasoline storage tank and must observe Stage I filling operations on a regular basis.
- (b) The base must inspect vapor balance hose and fittings prior to filling the storage tank. They must repair vapor balance system upon any indication of a leak.

IV. RECORDKEEPING REQUIREMENTS.

002 [25 Pa. Code §129.61]

Small gasoline storage tank control (Stage 1 control)

The permittee must maintain a record of the presence of a submerged fill pipe and vapor balance system on the gasoline storage tank.

003 [25 Pa. Code §129.62]

General standards for bulk gasoline terminals/plants, and small gasoline storage tanks

The operator must maintain records of maintenance performed on the vapor balance system.

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 §129.61]

Small gasoline storage tank control (Stage 1 control)

The permittee shall ensure that the gasoline storage tank is equipped with a submerged fill pipe(s) which extends from the filling orifice to within six (6) inches of the bottom of the tank.

005 [25 Pa. Code §129.62]

General standards for bulk gasoline terminals/plants, and small gasoline storage tanks

- (a) Gasoline may not be spilled or discarded in sewers or stored in open containers or handled in a manner that would result in uncontrolled evaporation to the atmosphere.
- (b) The permittee of a bulk gasoline plant, bulk gasoline terminal, tank truck or trailer or stationary storage tank to which Sections 129.59, 129.60(b) or (c) or 129.61 [relating to bulk gasoline terminals; bulk gasoline plants; and small gasoline storage tank control (Stage 1 control)] apply may not permit the transfer of gasoline between the tank truck or trailer and a





stationary storage tank unless the following conditions are met:

- (1) The vapor balance system is in good working order and is designed and operated in a manner that prevents:
- (i) gauge pressure from exceeding 18 inches of HF2O (4500 pascals) and vacuum from exceeding six (6) inches of water (1500 pascals) in the gasoline tank truck;
- (ii) a reading equal to or greater than 100% of the lower explosive limit (LEL), measured as propane at one (1) inch from points on the perimeter of a potential leak source when measured by the method referenced in 25 Pa. Code § 139.14 (relating to emissions of volatile organic compounds) during loading or unloading operations at small gasoline storage tanks, bulk plants and bulk terminals; and
- (iii) avoidable liquid leaks during loading or unloading operations at small gasoline storage tanks, bulk plants and bulk terminals.
- (2) a truck, vapor balance system or vapor disposal system, if applicable, that exceeds the limits in (b)(1), above, is repaired and retested within 15 days;
- (3) there are no visually- or audibly-detectable leaks in the tank truck's or trailer's pressure/vacuum relief valves and hatch covers, the truck tanks or storage tanks, or associated vapor and liquid lines during loading or unloading; and
- (4) the pressure and vacuum relief valves on storage vessels and tank trucks or trailers are set to release at no less than 0.7 psig (4.8 kilopascals) of pressure or 0.3 psig (2.1 kilopascals) of vacuum or the highest allowable pressure and vacuum as specified in State or local fire codes, the National Fire Prevention Association guidelines or other National consensus standards acceptable to the Department. Upon demonstration by the owner or operator of an underground small gasoline storage tank that the vapor balance system specified in (b)(1), above, will achieve a 90% vapor recovery efficiency without a pressure and vacuum relief valve and that an interlock system, sufficient to ensure connection of the vapor recovery line prior to delivery of the gasoline will be used no pressure and vacuum relief valve is required. The vacuum setting on the pressure and vacuum relief valve on an underground storage tank may be set at the lowest vacuum setting which is sufficient to keep the vent closed at zero pressure and vacuum.

Good housekeeping practices will be implemented so that the gasoline is handled in a manner that will prevent spills, improper disposal, or uncontrolled emissions.

006 [25 Pa. Code §129.82]

Control of VOCs from gasoline dispensing facilities (Stage II)

The permittee shall:

- (a) install necessary Stage II vapor collection and control systems, provide necessary maintenance and make modifications necessary to comply with the requirements;
- (b) provide adequate training and written instructions to the operator of the affected gasoline dispensing facility to assure proper operation of the system;
- (c) immediately remove from service and tag any defective nozzle or dispensing system until the defective component is replaced or repaired. A component removed from service may not be returned to service until the defect is corrected. If the Department finds that a defective nozzle or dispensing system is not properly tagged during an inspection, the component may not be returned to service until the defect is corrected and the Department approves its return to service; and
- (d) conspicuously post operating instructions for the system in the gasoline dispensing area which, at a minimum, include:
- (1) a clear description of how to properly dispense gasoline with the vapor recovery nozzles utilized at the site;
- (2) a warning that continued attempts to dispense gasoline after the system indicates that the vehicle fuel tank is full may result in spillage or recirculation of the gasoline into the vapor collection system; and
- (3) a telephone number established by the Department for the public to report problems experienced with the system.

VII. ADDITIONAL REQUIREMENTS.

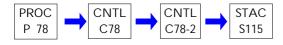
No additional requirements exist except as provided in other sections of this permit including Section B (Title V General Requirements).



Source ID: P 78

Source Name: BLDG 21 PLASTIC MEDIA BLAST BOOTH

Source Capacity/Throughput:



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The particulate matter in the emission shall not exceed 0.04 grains/dscf.
- (b) Lead in the emission shall not exceed 0.14 lb as lead chromate/hour.

Control Device Efficiencies Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

When operating, the pressure differential between the cartridge filter inlet and the exhaust duct shall not exceed 2.5 inches w.g.

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The pressure differential between the cartridge filter inlet and the exhaust duct shall be monitored each day that the paint booth is in operation.
- (b) The exhaust duct shall be inspected weekly for particulate matter on duct and tears in filter media. Spare filters will be kept on hand.

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The emissions of particulate matter will be calculated from the daily usage records and the assumptions that the cartridge filters capture 99% of the particulate matter. Daily usage records will be summed and averaged over the hours of operation to obtain the hourly emissions and will be summed to obtain an annual emission rate. These calculations will be performed annually.
- (b) The operator will record the amount of paint removed in pounds per hour per production run. These usages will be tracked on a daily basis and summed on a 12-month rolling basis. The hourly emissions will be based on the daily usage rate divided by the number of hours of use. The permittee shall record percent lead chromate in paint on dry weight basis.
- (c) When in use, the pressure differential between the cartridge filter inlet and the exhaust duct shall be recorded daily.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) Emissions shall be directed to cartridge filter and filter media.
- (b) The permittee will train the operators, post procedures, and record spare parts inventory.

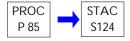
VII. ADDITIONAL REQUIREMENTS.

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



Source ID: P 85 Source Name: P85 HANGAR PAINTING

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 25 Pa. Code § 127.512]

The Volatile Organic Compounds (VOCs) emissions from all the aerospace surface coating processes that occur on site shall not exceed 3 pounds per hour, 15 pounds per day and 2.7 tons per year on a twelve (12) month rolling basis.

002 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

During inspection, the operator shall visually inspect seals and all other potential sources of leaks at least monthly. The operator shall repair spray gun leaks (visible, misting, and clouding) within 14 days of discovery. If the leak is not repaired by the 15th day after inspection, the permittee shall remove solvent and shut down enclosed cleaner until leak is repaired or use of cleaner permanently discontinued.

The permittee shall train all employees who may be involved with aerospace cleaning solvent storage and transfer and aerospace solvent application on these requirements. The permittee shall post this requirement in all areas where aerospace cleaning solvents are stored, transferred and applied.

003 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

ALLOWABLE COATING VOC LIMIT

- (a) A person may not apply to aerospace vehicles or components, aerospace specialty coatings, primers, topcoats and chemical milling maskants including VOC-containing materials added to the original coating supplied by the manufacturer that contain VOCs in excess of the limits specified in Table II of 25 Pa. Code § 129.73.
- (1) Aerospace coatings that meet the definitions of the specific coatings in Table II shall meet those allowable coating VOC limits.
- (2) All other aerospace primers, aerospace topcoats and chemical milling maskants are subject to the general coating VOC limits for aerospace primers, aerospace topcoats and aerospace chemical milling maskants.
- (b) Subcondition (a), above, does not apply to cleaning and coating of aerospace components and vehicles in the following circumstances:
- (1) the use of touchup, aerosol and Department of Defense "classified" coatings;
- (2) the coating of space vehicles; or
- (3) at facilities that use 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.

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.

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

The permittee shall record the following daily:

- (a) the usage of the coatings, thinners, reducers, additives and cleanup solvents;
- (b) the VOC content of the coatings, thinners, reducers, additives and cleanup solvents; and
- (c) the hours of operation.

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.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a) The permittee shall seal VOC materials in containers when not in use and store containers in lockers.
- (b) The permittee shall train operators in proper handling of VOCs and post procedures.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The total quantity of coatings, thinners, reducers, additives amd clean-up solvents used in this equipment shall not exceed 250 pounds of paint in any calender month.

007 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall train all employees who may be involved with aerospace coating application on this requirement. The permittee shall post this requirement in all areas where aerospace coatings may be applied.

008 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

SPRAY GUNS

Spray guns used to apply aerospace coatings shall be cleaned by one (1) 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. 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 two (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.

009 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

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

APPLICATION TECHNIQUES

A person shall use one or more of the following application techniques in applying primer or topcoat to aerospace vehicles or components:

- (a) Flow/curtain coat;
- (b) Dip coat;
- (c) Roll coating;
- (d) Brush coating;
- (e) Cotton-tipped swab application;
- (f) Electrodeposition (DIP) coating;
- (g) High volume low pressure (HVLP) spraying; and
- (h) Electrostatic spray.

010 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

The permittee shall train all employees who may be involved with enclosed cleaning systems for spray guns used for aerospace coating application on this requirement. The permittee shall post this requirement in all areas where enclosed cleaning systems are used to clean spray guns used to apply.

011 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

- (a) The permittee shall train all employees who may be involved with flush cleaning aerospace cleaning or aerospace coating unit components on this requirement. The permittee shall post this requirement in all areas where aerospace equipment or aerospace coating unit components may be flush-cleaned.
- (b) The permittee shall train all employees who may be involved with cleaning spray guns used for aerospace coating application on the requirement. This requirement shall be posted in all areas where spray guns used to apply aerospace coatings may be cleaned.

VII. ADDITIONAL REQUIREMENTS.

012 [25 Pa. Code §129.73]

Aerospace manufacturing and rework.

Exemption as per 25 Pa. Code § 129.73(6)

The following situations are exempt from application equipment requirements listed in Paragraph 5 of 25 Pa. Code 129.73:

- (a) Any situation that normally requires the use of an airbrush or an extension on the spray gun to properly apply coatings to limited access spaces.
- (b) The application of specialty coatings.
- (c) The application of coatings that contain fillers that adversely affect atomization with HVLP spray guns and that the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods specified in Paragraph (5).
- (d) The application of coatings that normally have a dried film thickness of less than 0.0013 centimeter (0.0005 in.) when the applicant has demonstrated and the Department has determined cannot be applied by any of the application methods



specified in Paragraph (5).

- (e) The use of airbrush application methods for stenciling, lettering and other identification markings.
- (f) The use of hand-held spray can application methods.
- (g) Touch-up and repair operations.





SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this Title V facility.

DEP Auth ID: 631405



Source Id Source Description





CU 92	BUILDING 6DF BOILE	ER1	
Emission Limit			Pollutant
300.000	PPMV		CO
30.000	PPMV	firing on natural gas	NOX
90.000	PPMV	firing on #2 fuel oil	NOX
0.400	Lbs/MMBTU		TSP

CU 93 BUILDING 6DF BOILER 2

Emission Lin	it		Pollutant
300.0	00 PPMV		CO
30.0	00 PPMV	firing on natural gas	NOX
90.0	00 PPMV	firing on #2 fuel oil	NOX
0.4	00 Lbs/MMBTU		TSP

CU 1 VARIOUS SMALL GENERATORS

Emission Limit		Pollutant
3.500	GRAMS/KW-Hr	CO
500.000	PPMV	SOX
0.040	gr/DRY FT3	TSP

CU000 NATURAL GAS UNITS

Emission Limit		Pollutant
500.000	PPMV	SOX
0.040	gr/DRY FT3	TSP

CU112 PAR(1) JET ENGINE TEST CELL-AIRFIELD/T56-16

Emission Limit			Pollutant
9.000	Tons/Yr	12 month rolling (4 jet engine test cells)	NOX
500.000	PPMV		SOX
0.040	gr/DRY FT3		TSP
9.000	Tons/Yr	12 month rolling (4 jet engine test cells)	VOC

P 2A BLDG 80 (1) PAINT BOOTH

Emission Limit			Pollutant
2.700	Tons/Yr	12 Month Rolling Sum - From All Aerospace	VOC
		Surface Coating	
3.000	Lbs/Hr	From AII Aerospace Surface Coating	VOC
15.000	Lbs/Day	From All Aerospace Surface Coating	VOC

P 4 BLDG 635 (1) PAINT BOOTH

Emission Limit			Pollutant
0.230	Lbs/Hr		TSP
66.500	Lbs/Yr	12 mth rolling	TSP
1.500	Tons/Yr	12 mth rolling	VOC
2.700	Tons/Yr	12 Month Rolling Sum - From All Aerospace	VOC
		Surface Coating	
3.000	Lbs/Hr	From AII Aerospace Surface Coating	VOC







SECTION F. Emission Restriction Summary.

Source Id	Source Description		
9.100	Lbs/Hr		VOC
15.000	Lbs/Day	From All Aerospace Surface Coating	VOC

P 5 BLDG 680 (1) PAINT BOOTH

Emission Limit			Pollutant
0.040	gr/DRY FT3		TSP
2.700	Tons/Yr	12 Month Rolling Sum - From All Aerospace	VOC
		Surface Coating	
3.000	Lbs/Hr	From All Aerospace Surface Coating	VOC
15.000	Lbs/Day	From All Aerospace Surface Coating	VOC

P 78 BLDG 21 PLASTIC MEDIA BLAST BOOTH

Emission Limit			Pollutant
0.140	Lbs/Hr	lead chromate	Lead
0.040	gr/DRY FT3		TSP

P 85 P85 HANGAR PAINTING

Emission Limit			Pollutant
2.700	Tons/Yr	12 Month Rolling Sum - From All Aerospace	VOC
		Surface Coating	
3.000	Lbs/Hr	From AII Aerospace Surface Coating	VOC
15.000	Lbs/Day	From All Aerospace Surface Coating	VOC

Site Emission Restriction Summary

Emission Limit	Pollutant

#ID

BLDG





SECTION G. Miscellaneous.

A. The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping ,except that the emissions from these activities are to be counted for air emission purposes:

#10	BLDG	
P6	30	Water Supply Wells- Air tower
P7	157	AST - Fuel
P9	157	ASt - Fuel
P14	13	Cold Cleaner-35.75"x23.75"
P36	180	Cold Cleaner-20"x24"
P37	180	Cold Cleaner-34.5"x23"
P43	635	Cold Cleaner-31"x20"
P48	13	Car Repair
P49	29	Painting
P56	177	Army Helicopter Maintenance
P57	178	Painting
P59	608	Painting
P60	177	UST-AFFF-Fire Protection Chem
P61	681	AFFF-Fire Protection Chem
P62	681	AFFF-Fire Protection Chem
P63	175	UST-AFFF Fire Protection Chem
P64	175	UST-AFFF-Fire Protection Chem
P66		AST-Hyd Fluid for Craft Arresting Gear
P67		AST-Hyd Fluid for Craft Arresting Gear
P68		AST-Hyd Fluid for Craft Arresting Gear
P69		AST-Hyd Fluid for Craft Arresting Gear
P70	183	UST-Oil/Water Separator
P71	183	UST-Oil/Water Separator
P72	175	UST-Oil/Water Separator
P73	175	UST-Oil/Water Separator
P74	78	UST-Waste Oil for PW Area
P76	183	Area Stores Propylene Glycol
P86	78	AST - Diesel

B. Minor Modification

APS: 345764 AUTH: 594132

The Title V Operating Permit was modified as follows:

- (a) To add three (3) diesel-fired emergency generator (Sources 107, 108 and 109) under de minimis increase to Source CU1, Various Small Diesel Generators.
- (b) To add one (1) natural gas-fired boiler, Source CU110 with a rated capacity of 1.55 MMBTU/hour, under de minimis increase to Source CU2, Various Small Natural Gas Combustion Units.
- (c) To add one (1) natural gas-fired heater, Source CU111 with a rated capacity of 0.3 MMBTU/hour, under de minimis increase to Source CU000, Natural Gas Units
- (d) To add one jet engine test cell, CU 112, and aggregate the Nitrogen Oxide (NOx) and Volatile Organic Compound (VOC) emissions for all four jet engine test cells. The total Nitrogen Oxide limit and total Volatile Organic Compound limit are nine (9) tons per year respectively. In addition, the conditions #001 and #002 of existing jet engine test cells (Sources CU101, CU 102 and CU103) were amended to contain the appropriate Particulate Matter (PM) and Sulfur Oxide (SOx) emission limit.
- (e) To remove Source P79, Aerospace Surface Coating and Source P80, Misc. Cleaning, and replace with Sources P85 and P86 which represent aerospace surface coating occurring in VP 64 and VP 66 respectively of Building/ Hangar 175. Some of the applicable requirements were placed in the Section C, Site Level requirements.





SECTION G. Miscellaneous.

- (f) To add aerospace requirements from 25 PA Code Section 129.73 to Sources P2, P3, P4, P5
- (g) To modify Condition #004 of Source P78, Plastic Media Blast Booth to contain the appropriate pressure drop requirement.

The total de minimis increases in this minor modification are 3.12 tons per year of Nitrogen Oxides and 0.46 ton per year of Volatile Organic Compounds.

April 2009. APS: 345764, AUTH: 631405. The Department renewed this operating permit. This permit authorization also incorporates two GPs' (46-302-228 and 229GP) for two boilers (Sources CU92 and CU93).

Additional changes include:

- the removal of two boilers (Sources CU90 and CU91).
- Removal of Source P1.
- Removal of Source P2 and subsequent replacement with Source P2A through PADEP's RFD program, number 46-A01-2174.
- Removal of Source P9.
- Redisignation of Source P11 as a Miscellaneous Source (to Section G, of the permit).
- Removal of Source P86.
- Removal of source P 7 (210,000 gallon AST).
- Replacement of Control Device C02 with C02A (control device for P02 addressed above).
- Removal of Control Device C07 (control device for P11 addressed above).
- Removal of the following stacks: S96, S104, S112, S114, and S125.
- Replacement of Stack S105 with S105A.
- Addition of three FMLs: FML 59, 60, and 61.
- Moving Source CU 2 from a source to the Miscleenaeous Section of the permit. This consists of the following individual boilers (each of which are below the permitting thresholds of the Department):
 - Building 29 Steam Boilers(2) @ 1.3 MMBtu/hour.
- Building 176 Steam Boiler @ 2.2 MMBtu/hour.
- Building 608 Boiler @ 0.1 MMBtu/hour.
- Building 638 Boiler @ 1.7 MMBtu/hour.
- Building 639 Boiler @ 0.6 MMBtu/hour.
- Building 192 Boiler-Bldg Heat.
- Building 681 Boiler-Building Heat.
- Removal of sources CU101 (Jan 31, 2006), CU120 (June 20, 2007), and CU103 (Jan 31, 2006) from the permit.
- Removal of source P7 (closed in place April 2008).



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