

August 30, 2022

Ms. Julie M. Hendrix  
NAS Lemoore  
750 Enterprise Ave  
Lemoore, CA 93246

**Re: Notice of Preliminary Decision – Title V Permit Renewal**  
**Facility Number: C-2106**  
**Project Number: C-1152843**

Dear Ms. Hendrix:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for NAS Lemoore at the Naval Air Station in Lemoore, California.

The notice of preliminary decision for this project has been posted on the District's website ([www.valleyair.org](http://www.valleyair.org)). After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the renewed Federally Mandated Operating Permit. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Errol Villegas, Permit Services Manager, at (559) 230-5900.

Sincerely,



Brian Clements  
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email  
cc: Gerardo Rios, EPA (w/enclosure) via EPS

**Samir Sheikh**  
Executive Director/Air Pollution Control Officer

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**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation  
Naval Air Station Lemoore  
C-2106**

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**TITLE V PERMIT RENEWAL EVALUATION**  
**Military Base**

**Engineer:** Jesse A. Garcia  
**Date:** August 31, 2022

**Facility Number:** C-2106  
**Facility Name:** Naval Air Station Lemoore  
**Mailing Address:** 750 Enterprise Ave  
Lemoore, CA 93246

**Contact Name:** Julie M. Hendrix  
**Phone:** (559) 998-4078

**Responsible Official:** CDR Gregory J. Woods  
**Title:** Public Works Officer

**Project # :** C-1152843  
**Deemed Complete:** November 5, 2015

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**I. PROPOSAL**

Naval Air Station Lemoore (NASL) was issued a Title V permit on August 31, 2004. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

The purpose of this evaluation is to provide the legal and factual basis for all updated applicable requirements and to determine if the facility will comply with these updated requirements. It also specifically identifies all additions, deletions, and/or changes made to permit conditions or equipment descriptions.

**II. FACILITY LOCATION**

NASL is located at Naval Air Station Lemoore, a military base located approximately six miles west of Lemoore, California.

### **III. EQUIPMENT LISTING**

A detailed facility printout listing all permitted equipment at the facility is included as Attachment A.

### **IV. GENERAL PERMIT TEMPLATE USAGE**

The applicant is requesting to use the following model general permit Templates:

#### **A. Template SJV-UM-0-3 Facility Wide Umbrella**

The applicant has requested to utilize template No. SJV-UM-0-3, Facility Wide Umbrella. Based on the information submitted in the Template Qualification Form, the applicant qualifies for the use of this template.

### **V. SCOPE OF EPA AND PUBLIC REVIEW**

Certain segments of the proposed Renewed Operating Permit are based on model general permit templates that have been previously subject to EPA and public review. The terms and conditions from the model general permit templates are included in the proposed permit and are not subject to further EPA and public review.

For permit applications utilizing model general permit templates, public and agency comments on the District's proposed actions are limited to the applicant's eligibility for model general permit template, applicable requirements not covered by the model general permit template, and the applicable procedural requirements for issuance of Title V Operating Permits.

The following permit conditions, including their underlying applicable requirements, originate from model general permit templates and are not subject to further EPA or public review.

Conditions 1 through 40 of the requirements for permit unit C-2106-0-3.

## VI. FEDERALLY ENFORCEABLE REQUIREMENTS

### A. Rules Updated

- District Rule 2020, Exemptions (amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule (amended August 15, 2019)
- District Rule 4601, Architectural Coatings (amended April 16, 2020)
- District Rule 4702, Internal Combustion Engines (amended August 19, 2021)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended June 29, 2021)
- 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards of Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended December 4, 2020)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended March 24, 2021)
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended April 10, 2020)

### B. Rules Removed

There are no applicable rules that were removed since the previous Title V permit was issued.

### C. Rules Added or Evaluated

- District Rule 2410, Prevention of Significant Deterioration (adopted June 16, 2011 and effective November 26, 2012)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM) (amended October 10, 1997)

#### **D. Rules Not Updated**

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2040, Applications (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2520, Federally Mandated Operating Permit (amended June 21, 2001)
- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4603, Surface Coating of Metal Parts and Products, Plastic Parts and Products, and Pleasure Crafts (amended September 17, 2009)
- District Rule 4605, Aerospace Assembly and Component Coating Operations (amended June 16, 2011)
- District Rule 4606, Wood Products and Flat Wood Paneling Products Coating Operations (amended October 16, 2008)
- District Rule 4612, Motor Vehicle and Mobile Equipment Coating Operations (amended October 21, 2010)
- District Rule 4662, Organic Solvent Degreasing Operations (amended September 20, 2007)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)
- District Rule 8011, General Requirements (amended August 19, 2004)

- District Rule 8021, Construction, Demolition, Excavation, Extraction and Other Earthmoving Activities (amended August 19, 2004)
- District Rule 8031, Bulk Materials (amended August 19, 2004)
- District Rule 8041, Carryout and Trackout (amended August 19, 2004)
- District Rule 8051, Open Areas (amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (amended August 19, 2004)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended July 20, 2004)

## **VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE**

For each Title V source, the District issues a single permit that contains the Federally Enforceable requirements, as well as the District-only requirements. The District-only requirements are not a part of the Title V Operating Permits. The terms and conditions that are part of the facility's Title V permit are designated as "Federally Enforceable Through Title V Permit".

For this facility, the following are not federally enforceable and will not be discussed in further detail:

### **A. Rules Added/Updated**

None

### **B. Rules Not Updated**

**Title 13 California Code of Regulations (CCR), Section 2423 – Exhaust Emission Standards and Test Procedures, Off-Road Compression-Ignition Engines and Equipment (Required by Title 17 CCR, Section 93115 for Emergency Diesel IC Engines)**

The Air Toxic Control Measure (ATCM) is a rule under the California Code of Regulations (CCR) which is the official compilation and publication of the regulations adopted, amended or repealed by state agencies. The purpose of this rule is to reduce diesel particulate matter (PM) and criteria pollutant

emissions from stationary diesel-fueled compression ignition engines. The following conditions are based on this rule.

Permit Unit	Condition #
C-2106-1-4, -2-4, -6-4, -7-4, -8-4, and -9-5	2, 3, 10, 11, 14 through 17, 19 and 22
C-2106-174-2, -175-1, -176-1, -183-1, -184-1, -186-1, -188-1, -189-1, -190-1, -191-1	3 through 6, 9 through 12, 14 and 15

**District Rule 1100, Equipment Breakdown** (amended December 17, 1992)

This rule defines a breakdown condition and the procedures to follow if one occurs. The corrective action, the issuance of an emergency variance, and the reporting requirements are also specified. The following conditions are based on this rule.

Permit Unit	Condition #
C-2106-0-3	1, 2, and 11

**District Rule 4102, Nuisance** (amended December 17, 1992)

The purpose of this rule is to protect the health and safety of the public, and this rule applies to any source operation which emits or may emit air contaminants or other materials. The following conditions are based on this rule.

Permit Unit	Condition #
C-2106-0-3	42
C-2106-1-4, -2-4, -6-4, -7-4, -8-4, and -9-5	3
C-2106-153-5	7
C-2106-154-5, -155-5, -156-5, -157-5, -167-3	5, 6, and 7
C-2106-174-2, -175-1, -176-1	2 and 6



**District Rule 4801, Sulfur Compounds** (amended December 17, 1992)

The purpose of this rule is to limit the emissions of sulfur compounds. The following conditions is based on this rule.

Permit Unit	Condition #
C-2106-1-4, -2-4, -6-4, -7-4, -8-4, -9-5, -174-2, -175-1, -176-1	4

**VIII. PERMIT REQUIREMENTS**

The purpose of this evaluation is to review changes to federally enforceable requirements; therefore, this compliance section will only address rules that have been amended or added since the issuance of the initial Title V permit or most recent renewal of the Title V permit.

**A. District Rule 2020 - Exemptions**

District Rule 2020 lists equipment which is specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions. The amendments to this rule do not have any effect on current permit requirements and therefore will not be addressed in this evaluation.

**B. District Rule 2201 - New and Modified Stationary Source Review Rule**

District Rule 2201 has been amended since this facility's initial Title V permit was issued. However, the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit.

**C. District Rule 2410 – Prevention of Significant Deterioration (PSD)**

District Rule 2410 has been newly adopted since this Title V permit was last renewed. However the requirements of this rule are only triggered at the time the source undergoes a modification. This source has never been subject to this rule, therefore there are no PSD permit applicable requirements to include in the Title V permit.

District Rule 2410 has been newly adopted since this Title V permit was last renewed. However the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any PSD permit actions have already been incorporated into the current Title V permit.

**D. District Rule 2520 - Federally Mandated Operating Permits**

District Rule 2520 has been amended since the last Title V permit renewal was issued for this facility. The amendments to this rule were administrative in nature, relating only to the notification procedures for Title V permit modifications that are required to go through a public notice. The amendments to this rule did not have any effect on current permit requirements and will therefore not be addressed further in this evaluation. However, greenhouse gas emissions will be addressed under Rule 2520 during this renewal.

Greenhouse Gas Discussion

There are no federally applicable Greenhouse Gas (GHG) requirements for this source. It should be noted that the Mandatory Greenhouse Gas Reporting rule (40 CFR Part 98) is not included in the definition of an applicable requirement within Title V (per 40 CFR 71.2). Therefore, there will be no further discussion of GHG in this evaluation.

**E. District Rule 4601 – Architectural Coatings**

This rule limits the emissions of VOCs from architectural coatings. The VOC content limits for coatings and colorants are listed in Tables 1 and 2, respectively, of Section 5.0 of the amended rule. This rule also specifies architectural coatings storage, cleanup, and labeling requirements.

The rule was amended in April 16, 2020 but has not been SIP approved. The stringency analysis in Attachment D shows that the amended rule is as stringent as the SIP approved version of the rule that was adopted in December 17, 2009.

The following changes were included in the latest rule amendment that resulted in revising current permit requirements:

- Table of Standards 1 (through 12/31/2010) and Table of Standards 2 (after 1/1/2011) specifying the VOC content of different coatings and colorants have been replaced with Table 1 and Table 2 (effective after 1/1/2022) in Section 5.0.

To ensure compliance with Rule 4601 as amended 4/16/2020, conditions #23, 24, 25, and 40 of the current facility-wide permit C-2106-0-2 will be replaced with conditions #23, 24, and 25 on the draft facility-wide permit C-2106-0-3.

- No person shall manufacture, blend, repackage, supply, market, sell, solicit or apply any architectural coating or colorant with a VOC content in excess of the applicable limits specified in Table 1 (Coatings) and Table 2 (Colorants) of District Rule 4601 (4/16/20), unless exempted under section 4.0 of District Rule 4601 (Amended 4/16/20). [District Rule 4601]
- All VOC-containing materials subject to Rule 4601 (4/16/20) shall be stored in closed containers when not in use. [District Rule 4601]
- The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3. (4/16/20). [District Rule 4601]
- Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (4/16/20); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

#### **F. District Rule 4702 – Internal Combustion Engines**

The requirements of District Rule 4702 as amended November 14, 2013 were incorporated into the SIP on April 25, 2016. District Rule 4702 was subsequently amended on August 19, 2021; however, those amendments have not been including in the SIP.

The permit for Naval Air Station Lemoore includes diesel-fueled emergency standby IC engines powering electrical generators and gasoline-fired emergency IC engines powering arresting gear systems. The IC engines permitted at this facility are subject to the requirements of District Rule 4702.

Pursuant to Section 4.2, the only requirements that apply to emergency standby engines are the requirements of Section 5.10 (monitoring requirements) and 6.2.3 (annual operating records requirements), which did

not change during the rule amendment. Therefore, the following existing conditions will continue to demonstrate compliance with this.

Permit Unit	Condition #
C-2106-1-4, -2-4, -6-4, -7-4, -8-4, -9-5	2, 12 through 17, 19 and 22
C-2106-25-8, -26-7, -27-7, -28-7	4 and 7 through 10
C-2106-174-2, -175-1, -176-1, -183-1, -184-1, -186-1, -188- 1, -189-1, -190-1, -191-1	3, 7 through 12, 14 and 15

**G. 40 CFR Part 60 Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

§60.4200 - Applicability

This subpart is applicable to manufacturers, owners, and operators of stationary compression ignited (CI) internal combustion engines (ICE) that commence construction after July 11, 2005, where the engines are:

- 1) Manufactured after April 1, 2006, if not a fire pump engine.
- 2) Manufactured as a National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.

The following permits are for stationary CI ICEs that commenced construction after July 11, 2005 for which this subpart applies:

C-2106-174-2, -175-1, -176-1, -183-1, -186-1, -188-1, -189-1, -190-1, and -191-1: DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

Sections 60.4201 through 60.4203 apply to engine manufacturers. Therefore, these sections will not be discussed unless they are referenced later by another section of this subpart.

§60.4205 – Emission Standards for Owners and Operators

Section 60.4205(b) states that owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in Section 60.4202, for all pollutants,

for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

Section 60.4202(a) states that Stationary CI internal combustion engine manufacturers must certify their 2007 model year and later emergency stationary CI ICE with a maximum engine power less than or equal to 2,237 KW (3,000 HP) and a displacement of less than 10 liters per cylinder that are not fire pump engines to the emission standards specified in paragraphs (a)(1) through (2) of this section.

Section (a)(1) is not applicable as it applies to engines with a maximum engine power less than 37 KW (50 HP).

Section (a)(2) states for engines greater than or equal to 37 KW (50 HP), the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 CFR 89.112 and 40 CFR 89.113 for all pollutants beginning in model year 2007.

Conditions 5 and 6 on each of the draft renewed permits are a mechanism to ensure compliance with the requirements of these sections.

The smoke emission standard in 40 CFR 89.113 applies to compression-ignition non-road engines. An emergency-standby IC engine is not a non-road engine as defined in 40 CFR 89 Subpart A; therefore, section 40 CFR 89.113 does not apply.

Section 60.4206 states that owners or operators of stationary CI ICE must meet the applicable emission standards for the entire life of said engines. The Tier 2 level emissions for the proposed engines will be listed on the permit as emission factors, ensuring that the emission standards are met over the entire life of the engine.

Section 60.4207(b) states that beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 1090.305 for nonroad diesel fuel. Section 1090.305 states that except as specified in Section 1090.300(a), the sulfur content for all non-road diesel fuel shall not exceed 15 ppm. The engines are required by condition 4 on the draft permits to use CARB certified diesel fuel, which meets all of the fuel requirements listed in Subpart IIII.

Section 60.4208 lists deadline dates for importing or installing stationary CI ICE produced in the previous model year. None of the deadline dates affects the engines in this project. Therefore, this section does not apply.

Section 60.4209 applies to emergency stationary CI engines that do not meet the applicable standards and stationary CI engines equipped with a diesel particulate filter. The engines in this project do not fall under either of these two categories. Therefore, this section does not apply.

Section 60.4210 applies only to engine manufacturers. Therefore, this section will not be discussed unless it is referenced later by another section of this subpart.

Section 60.4211(a) states that owners or operators who comply with the emission standards specified in this subpart must operate and maintain the stationary CI engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. Condition 4 on each of the draft renewed permits are a mechanism to ensure compliance with the requirements of this section.

Section 60.4211(b) applies to pre-2007 model year engines. None of the engines in this project are pre-2007 model year engines; therefore, this section does not apply.

Section 60.4211(c) states that if you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in Section 60.4204(b) or Section 60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in Section 60.4205(c), you must comply by purchasing an engine certified to the emission standards in Section 60.4204(b), or Section 60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's specifications. The facility has installed Tier certified emissions level engines that comply with the emission standards in Section 60.4205(b). Therefore, this section is satisfied.

Section 60.4211(d) applies to owners or operators who must comply with the emission standards specified in Section 60.4204(c) or Section 60.4205(d). The engines are not subject to the emission standards specified in Sections 60.4204(c) or 60.4205(d). Therefore, this section does not apply.

Section 60.4211(e) applies to owners or operators of modified or reconstructed stationary CI internal combustion engines. The engines in this

project subject to this subpart have not been modified or reconstructed; therefore, this section does not apply.

Section 60.4211(f) applies to owners or operators of an emergency stationary ICE. This section states you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3). In order for the engine to be considered an emergency stationary ICE under this subpart, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

Condition 11 on each of the draft renewed permits are a mechanism to ensure compliance with the requirements of this section.

Section 60.4212 applies to owners or operators of a stationary CI engine with a displacement of less than 30 liters per cylinder and required to conduct performance tests pursuant to Section 60.4211(b). Section 60.4211(b) does not apply to these engines; therefore, performance tests are not required and this section does not apply.

Section 60.4213 applies to owners or operators of CI engines with a displacement of greater than or equal to 30 liters per cylinder. The displacement is less than 30 liters per cylinder for the engines in this project; therefore, this section does not apply.

Section 60.4214(a) states owners and operators of non-emergency stationary CI engines that are greater than 3,000 hp, or have a displacement of greater than or equal to 10 liters per cylinder, or are pre-2007 model year engines that are greater than 175 hp and not certified, must meet the requirements of paragraphs (a)(1) and (2) of this section. The engines in this project are post-2007 model year emergency engine rated less than 3,000 hp, and has a displacement less than 10 liters per cylinder. Therefore, this section does not apply.

Section 60.4214(b) states that if the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in table 5 to this subpart, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency

and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time. Since the engines in this project meet the applicable standards, this section does not apply.

Section 60.4214(c) applies to stationary CI engines equipped with a diesel particulate filter. The Tier 4I certified engines listed under permits -175 and -176 are equipped with a diesel particulate filter. Condition 15 on each of the draft renewed permits are a mechanism to ensure compliance with the requirements of this section.

Sections 60.4215 and 60.4216 apply to engines operated outside the continental United States. Therefore, these sections do not apply.

Section 60.4217 applies to engines that use special fuels and cannot meet the emission limits that the engine was originally certified to. Since the engines in this project are diesel-fired and meet the emission limits that the engines were originally certified to, this section does not apply.

#### **H. 40 CFR Part 63 Subpart ZZZZ – National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

§63.6585 states an owner or operator is subject to this subpart if it owns or operates a stationary RICE at a major or area source of HAP emissions. A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year. An area source of HAP emissions is a source that is not a major source.

This facility is an area source of HAP emissions since it is not a major source of HAPs per §63.6585(b).

§63.6590(a)(1)(iii) For stationary RICE located at an area source of HAP emissions, a stationary RICE is existing if you commenced construction or reconstruction of the stationary RICE before June 12, 2006.



The following permits are existing stationary RICE since they commenced construction before June 12, 2006:

C-2106-1-4, -2-4, -6-4, -7-4, -8-4, and -9-5: DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

Pursuant to Section 63.6603(a) An existing stationary RICE located at an area source of HAP emissions must comply with the applicable requirements in Table 2d to this subpart.

As stated in §§63.6603 and 63.6640, the facility must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions pursuant to Table 2d row 4 for emergency stationary CI RICE:

- Change oil and filter every 500 hours of operation or annually, whichever comes first
- Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary
- Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary

Pursuant to Section 63.6625(e)(3), the owner or operator of an emergency stationary RICE must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

Pursuant to Section 63.6625(f), the owner or operator of an existing emergency stationary RICE located at an area source of HAP emissions must install a non-resettable hour meter if one is not already installed.

Pursuant to Section 63.6625(h), the owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

Pursuant to Section 63.6625(i), the owner or operator of an existing emergency stationary RICE located at an area source of HAP emissions may have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The

oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

Pursuant to Section 63.6640(a), the owner or operator of an existing emergency stationary RICE located at an area source of HAP emissions may demonstrate on-going compliance with the requirements of this subpart by operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or developing and following their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions (Table 6 row 9).

Pursuant to Section 63.6640(f): 1) There is no time limit on the use of emergency stationary RICE in emergency situations; and 2) An emergency stationary RICE may be operated for maintenance checks and readiness testing, emergency demand response, and other non-emergency situations up to a maximum of 100 hours per calendar year.

Pursuant to Section 63.6655(a)(2), the owner or operator must maintain records the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

Pursuant to Section 63.6655(a)(4), the owner or operator must maintain records of all required maintenance performed on the air pollution control and monitoring equipment.

Pursuant to Section 63.6655(a)(5), the owner or operator must maintain records of actions taken during periods of malfunction to minimize emissions,

including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

Pursuant to Section 63.6660, the owner or operator must maintain records in a form suitable and readily available for expeditious review, and readily accessible in hard copy or electronic form for at least 5 years.

The following conditions on the draft renewed permit are a mechanism to ensure compliance with the requirements of this section. Permit conditions 2, 4 through 9, 16, 20, 21 and 22 were added during this project.

**I. 40 CFR Part 64 - Compliance Assurance Monitoring**

40 CFR Part 64 requires Compliance Assurance Monitoring (CAM) for units that meet the following three criteria:

- 1) the unit must have an emission limit for the pollutant;
- 2) the unit must have add-on controls for the pollutant; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers; and
- 3) the unit must have a pre-control potential to emit of greater than the major source thresholds.

Pollutant	Major Source Threshold (lb/year)
NO <sub>x</sub>	20,000
SO <sub>x</sub>	140,000
PM <sub>10</sub>	140,000
CO	200,000
VOC	20,000

- a) C-2106-1-4, -2-4, -6-4, -7-4, -8-4, -9-5, -174-2, -183-1, -184-1, -186-1, -188-1, -189-1, -190-1, and -191-1: DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
- b) C-2106-25-8, -26-7, -27-7 and -28-7: GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM
- c) C-2106-140-7, -162-3, -163-3, -165-3: DEGREASER OPERATION
- d) C-2106-23-5, -69-3, -70-6, -74-5: OPEN ENGINE TEST CELL/PADS
- e) C-2106-170-3: FIRE TRAINING DEVICE
- f) C-2106-117-8, -118-8, -119-4, -120-8, -121-8, -122-8, -123-8, -124-8, -125-8, -126-8, -127-8, -140-7, -151-7, -153-6, -154-6, -155-6, -156-6, -157-6, -167-7: SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION

The 18 total IC engines, 4 total degreasers, 4 total jet engine test cells/pads, 1 total fire training operations, and 19 total squadron maintenance coating operations are not subject to the CAM requirement because they do not have add-on controls for any pollutant. Note that the use of low-VOC coatings in the coating operations is a pollution prevention method rather than an add-on pollution control device.

g) C-2106-39-4, -149-3: COATING OPERATION WITH PAINT SPRAY BOOTH

h) C-2106-168-3: POWDER COATING OPERATION WITH SPRAY BOOTH

The 3 coating operations with coating booths are not subject to the CAM requirements for VOC because the use of low-VOC coatings is not an add-on pollution control device and the booths do not control VOC. The use of a paint or powder coating booth is an add-on pollution control device for PM<sub>10</sub>, but unit C-2106-39-4 does not have an emission limit for PM<sub>10</sub> and is therefore not subject to the CAM requirement for PM<sub>10</sub>.

Units C-2106-149-3 and -168-3 do have emission limits for PM<sub>10</sub>, so pre-control emissions must be calculated based on the typical control efficiency of 95% for dry paint booth filters:

C-2106-149-3:

$$PE = (6.5 \text{ lb-PM}_{10}/\text{day}) \times (365 \text{ day}/\text{yr}) \div (1 - 0.95) = 47,450 \text{ lb-PM}_{10}/\text{yr}$$

C-2106-168-3:

$$PE = (50 \text{ lb-PM}_{10}/\text{yr}) \div (1 - 0.95) = 1,000 \text{ lb-PM}_{10}/\text{yr}$$

Pre-control emissions from both C-2106-149-3 and -168-3 are below the major source threshold of 140,000 lb-PM<sub>10</sub>/yr. Therefore, the CAM requirements do not apply to these units for PM<sub>10</sub>.

i) C-2106-175-1, -176-1: EMERGENCY IC ENGINES WITH A DIESEL PARTICULATE FILTER

The permits for these units include emission limits for NO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC, and limits the sulfur in the fuel to limit SO<sub>x</sub>. The engine does not include any add-on on emission controls for NO<sub>x</sub>, SO<sub>x</sub>, or VOC; therefore, the CAM requirements of 40 CFR 64 are not applicable for NO<sub>x</sub>, SO<sub>x</sub>, or VOC. The Tier 4 interim certified diesel engines are equipped with a diesel particulate filter (DPF) installed by the engine manufacturer. The DPF will conservatively be considered add-on controls for PM<sub>10</sub>.

The EPA Technical Bulletin – Diesel Particulate Filter General Information (May 2010)<sup>1</sup> states that “*DPFs verified by EPA and CARB are typically effective at reducing emissions of PM by 85 to 90 percent or more. EPA’s Verified Technology List also shows that certain DPFs reduce emissions of hydrocarbons and CO by 70 to 90 percent.*” Therefore, it will be assumed that the DPF reduces PM emissions by 90% and reduces CO emissions by 80%. The pre-control potential to emit for PM<sub>10</sub> and CO from the engines is calculated below.

Pre-Control Potential to Emit for PM<sub>10</sub> and CO from Each Engine

Engine Rating: 130 bhp

Maximum Annual Hours of Operation: 100 hr/year (current permit)

PM<sub>10</sub> Emission Factor: 0.003 g-PM<sub>10</sub>/bhp-hr (current permit)

CO Emission Factor: 0.15 g-CO/bhp-hr (current permit)

Pre-Control Potential to Emit for PM<sub>10</sub> from the Engine

$130 \text{ bhp} \times 100 \text{ hr/year} \times 0.003 \text{ g-PM}_{10}/\text{bhp-hr} \times 1 \text{ lb}/453.59 \text{ g} \div (1 - 0.9) = 1 \text{ lb-PM}_{10}/\text{year}$

Pre-Control Potential to Emit for CO from the Engine

$130 \text{ bhp} \times 100 \text{ hr/year} \times 0.15 \text{ g-CO}/\text{bhp-hr} \times 1 \text{ lb}/453.59 \text{ g} \div (1 - 0.8) = 21 \text{ lb-CO}/\text{year}$

As shown above, the pre-control potential to emit for PM<sub>10</sub> and CO from this permit unit do not exceed the applicable major source thresholds for these pollutants. Therefore, this permit unit is not subject to CAM for PM<sub>10</sub> or CO.

**J. 40 CFR Part 82 Subpart B - Servicing of Motor Vehicle Air Conditioners**

Per §82.30(a) the purpose of 40 CFR Part 82 Subpart B is to implement Section 609 of the Clean Air Act, as amended regarding the servicing of motor vehicle air conditioners (MVACs), and to implement Section 608 of the Clean Air Act regarding certain servicing, maintenance, repair and disposal of

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<sup>1</sup> US EPA (May 2010) Technical Bulletin – Diesel Particulate Filter General Information. (EPA-420-F-10-029). <https://www.epa.gov/sites/default/files/2016-03/documents/420f10029.pdf>

air conditioners in MVACs and MVAC-like appliances (as that term is defined in 40 CFR 82.152).

Per §82.30(b) these regulations apply to any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner.

The amendments to this subpart did not have any effect on the current permit requirements and will therefore not be addressed further in this evaluation.

The following condition on the draft renewed permit is a mechanism to ensure compliance with the requirements of this subpart:

Condition 28 on the draft facility-wide requirements (C-2106-0-3) serve as a mechanism to ensure compliance with this rule.

#### **K. 40 CFR Part 82 Subpart F - Recycling and Emissions Reductions**

Per §82.150(a) the purpose of 40 CFR Part 82 Subpart F is to reduce emissions of class I and class II refrigerants and their substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the service, maintenance, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I and class II ODS in accordance with Title VI of the Clean Air Act.

Per §82.150(b) these regulations apply to any person servicing, maintaining, or repairing appliances. This subpart also applies to persons disposing of appliances, including small appliances and motor vehicle air conditioners. In addition, this subpart applies to refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II refrigerants.

The amendments to this subpart did not have any effect on the current permit requirements and will therefore not be addressed further in this evaluation.

Condition 27 on the draft facility-wide requirements (C-2106-0-3) serve as a mechanism to ensure compliance with this rule.

## **IX. PERMIT SHIELD**

A permit shield legally protects a facility from enforcement of the shielded regulations when a source is in compliance with the terms and conditions of the Title V permit. Compliance with the terms and conditions of the Operating Permit is considered compliance with all applicable requirements upon which those conditions are based, including those that have been subsumed.

### **A. Requirements Addressed by Model General Permit Templates**

#### **1. Model General Permit Template SJV-UM-0-3**

By submitting Model General Permit Template SJV-UM-0-3 qualification form, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shields as granted in Model General Permit Template is included as conditions 1 through 41 of the facility-wide requirements (C-2106-0-3).

## **X. CALIFORNIA ENVIRONMENTAL QUALITY ACT**

The purpose of the Title V permit renewal is to update the permit to ensure that any changes to regulations since the issuance of the initial Title V permit or most recent renewal of the Title V permit are incorporated as permit requirements.

Per the California Environmental Quality Act (CEQA) Statute §21080.24, and CEQA Guidelines §15281, the issuance, modification, amendment, or renewal of any permit by an air pollution control district or air quality management district pursuant to Title V is exempt from CEQA, unless the issuance, modification, amendment, or renewal authorizes a physical or operational change to a source or facility. There will be no physical or operational change to the source or facility nor will the Title V permit renewal authorize a physical or operational change to the source or facility. Therefore, this project, a Title V permit renewal, is subject to a ministerial action that is exempt from CEQA.

## **XI. PERMIT CONDITIONS**

See Attachment A - Draft Renewed Title V Operating Permit.

## **ATTACHMENTS**

- A. Draft Renewed Title V Operating Permit
- B. Previous Title V Operating Permit
- C. Detailed Summary List of Facility Permits

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# ATTACHMENT A

Draft Renewed Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

FACILITY: C-2106-0-3

EXPIRATION DATE: 04/30/2016

## FACILITY-WIDE REQUIREMENTS

1. {4362} The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. {4363} The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-0-3 : Aug 31 2022 7:52AM - GARCIAJ

9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
10. {4371} The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. {4372} Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. {4373} If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. {4374} 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 the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. {4375} The 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 a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. {4376} The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. {4377} The Permittee shall furnish to the District, within a reasonable time, any information that the District 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. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. {4378} The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. {4379} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. {4380} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. {4381} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. {4382} Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
23. No person shall manufacture, blend, repackage, supply, market, sell, solicit or apply any architectural coating or colorant with a VOC content in excess of the applicable limits specified in Table 1 (Coatings) and Table 2 (Colorants) of District Rule 4601 (4/16/20), unless exempted under section 4.0 of District Rule 4601 (Amended 4/16/20). [District Rule 4601] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (4/16/20) shall be stored in closed containers when not in use. [District Rule 4601] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3. (4/16/20). [District Rule 4601] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit

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FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. {4400} Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (4/16/20); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin September 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
42. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-1-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

487 BHP CATERPILLAR MODEL #3406B-D1 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 001, CONTROL TOWER)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed 1.0 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-2-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

749 BHP CATERPILLAR MODEL #3412 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 003, THE FIELD LIGHTING VAULT)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed 1.0 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-6-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

69 BHP CUMMINS MODEL #L634T-1710148L DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 461, TACAN SITE)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702, 17 CCR 93115] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed 1.0 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-7-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

375 BHP CUMMINS MODEL #NT855-G4 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 462, TRANSMITTER FACILITY)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed 1.0 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-8-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

135 BHP CUMMINS MODEL #6BT-5.9-G1 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 464, RECEIVER FACILITY)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed 1.0 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-9-5

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

749 BHP CATERPILLAR MODEL #3412 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 468, APPROACH LIGHT VAULT)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed 1.0 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-23-5

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**  
JET TEST CELL #3 (BLDG 175)

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## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. Daily combined fuel usage from jet engine test cells #3 and #4 (permits C-2106-23 and '74) and jet engine test pad (C-2106-70) shall not exceed 13,080 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this test cell shall not exceed any of the following limits: 0.192 lb-NO<sub>x</sub>/gal, 0.041 lb-SO<sub>x</sub>/gal, 0.0261 lb-PM<sub>10</sub>/gal, 0.383 lb-CO/gal, or 0.0510 lb-VOC/gal. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fuel sulfur content shall not exceed 3,000 ppm by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall determine fuel sulfur content annually. Samples of the fuel be taken at the facility or at the refinery, valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A record shall be maintained of the date and quantity of engines tested, quantity of fuel used during each test of each engine, and fuel sulfur content. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
9. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-25-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

TWO 66 HP TELEDYNE-WISCONSIN MODEL #V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 32R)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Each unit shall be fired on gasoline with a sulfur content of less than 0.002% by weight. [District Rule 4801 and 13 CCR 2262] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certification of gasoline sulfur content. [District Rule 2520] Federally Enforceable Through Title V Permit
4. Each engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Operation of each IC engine shall not exceed 4,680 hrs/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from each IC engine shall not exceed any of the following limits: 5.96 g-NO<sub>x</sub>/bhp-hr, 0.30 g-PM<sub>10</sub>/bhp-hr, 234.4 g-CO/bhp-hr, or 2.49 g-VOC/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Each engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturers or emissions control system suppliers. [District Rule 4702] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of each engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. For each unit, the permittee shall maintain monthly records of hours of operation, the type of fuel used, and the purpose of the operation. [District Rules 2520 and 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of SJVUAPCD Rule 4801 and Kings County APCD Rule 407. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-26-7

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

TWO 66 HP TELEDYNE-WISCONSIN MODEL V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 32L)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Each unit shall be fired on gasoline with a sulfur content of less than 0.002% by weight. [District Rule 4801 and 13 CCR 2262] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certification of gasoline sulfur content. [District Rule 2520] Federally Enforceable Through Title V Permit
4. Each engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Operation of each IC engine shall not exceed 4,680 hrs/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from each IC engine shall not exceed any of the following limits: 5.96 g-NO<sub>x</sub>/bhp-hr, 0.30 g-PM<sub>10</sub>/bhp-hr, 234.4 g-CO/bhp-hr, or 2.49 g-VOC/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Each engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturers or emissions control system suppliers. [District Rule 4702] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of each engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. For each unit, the permittee shall maintain monthly records of hours of operation, the type of fuel used, and the purpose of the operation. [District Rules 2520 and 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of SJVUAPCD Rule 4801 and Kings County APCD Rule 404. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-26-7 : Aug 31 2022 7:53AM -- GARCIAJ

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-27-7

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

TWO 66 HP TELEDYNE-WISCONSIN MODEL V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 14R)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Each unit shall be fired on gasoline with a sulfur content of less than 0.002% by weight. [District Rule 4801 and 13 CCR 2262] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certification of gasoline sulfur content. [District Rule 2520] Federally Enforceable Through Title V Permit
4. Each engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Operation of each IC engine shall not exceed 4,680 hrs/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from each IC engine shall not exceed any of the following limits: 5.96 g-NO<sub>x</sub>/bhp-hr, 0.30 g-PM<sub>10</sub>/bhp-hr, 234.4 g-CO/bhp-hr, or 2.49 g-VOC/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Each engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturers or emissions control system suppliers. [District Rule 4702] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of each engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. For each unit, the permittee shall maintain monthly records of hours of operation, the type of fuel used, and the purpose of the operation. [District Rules 2520 and 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of SJVUAPCD Rule 4801 and Kings County APCD Rule 404. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-27-7 : Aug 31 2022 7:53AM -- GARCIAJ

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-28-7

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

TWO 66 HP TELEDYNE-WISCONSIN MODEL V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 14L)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Each unit shall be fired on gasoline with a sulfur content of less than 0.002% by weight. [13 CCR 2262] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certification of gasoline sulfur content. [District Rule 2520] Federally Enforceable Through Title V Permit
4. Each engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Operation of each IC engine shall not exceed 4,680 hrs/yr. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from each IC engine shall not exceed any of the following limits: 5.96 g-NO<sub>x</sub>/bhp-hr, 0.30 g-PM<sub>10</sub>/bhp-hr, 234.4 g-CO/bhp-hr, or 2.49 g-VOC/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Each engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturers or emissions control system suppliers. [District Rule 4702] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of each engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. For each unit, the permittee shall maintain monthly records of hours of operation, the type of fuel used, and the purpose of the operation. [District Rules 2520 and 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



12. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of SJVUAPCD Rule 4801 and Kings County APCD Rule 404. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-39-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

COATING OPERATION WITH HVLP SPRAY GUN(S) AND DEVILBISS MODEL DLFA (SERIAL # 501) PAINT SPRAY BOOTH WITH DISPOSABLE EXHAUST FILTERS (BLDG 179, GROUND SUPPORT EQUIPMENT MAINTENANCE)

## PERMIT UNIT REQUIREMENTS

1. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), 4606 (Wood Products), or 4612 (Motor Vehicles and Mobile Equipment), depending on item being coated. [District Rules 4601, 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
2. All painting, including application of primer, shall be conducted inside the booth with filters in place, fan(s) operating, and doors closed. [District Rule 2201] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed 40.0 lb-VOC/day. [District Rules 2201 2520] Federally Enforceable Through Title V Permit
6. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
7. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
10. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
13. The VOC Regulatory content of coatings used for motor vehicles and mobile equipment, as applied, shall not exceed any of the following limits: adhesion promoter 540 g/l (4.5 lb/gal), clear coating 250 g/l (2.1 lb/gal), color coating 420 g/l (3.5 lb/gal), multi-color coating 680 g/l (5.7 lb/gal), pretreatment coating 660 g/l (5.5 lb/gal), primer 250 g/l (2.1 lb/gal), primer sealer 250 g/l (2.1 lb/gal), single-stage coating 340 g/l (2.8 lb/gal), temporary protective coating 60 g/l (0.5 lb/gal), underbody coating 430 g/l (3.6 lb/gal), uniform finish coating 540 g/l (4.5 lb/gal), and any other coating type 250 g/l (2.1 lb/gal). The VOC Regulatory content for coatings shall be defined as the VOC in grams per liter of coating (or pounds per gallon of coating), excluding water and exempt compounds. [District Rule 4612] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603, 4606, and 4612] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. For bug and tar removal on motor vehicles and mobile equipment, the permittee shall not use any material other than bug and tar remover regulated under the Consumer Products Regulation (California Code of Regulations Section 94507 et seq.). [District Rule 4612] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

19. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, 4606 and 4612] Federally Enforceable Through Title V Permit
20. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
21. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
22. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
23. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
26. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
28. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
30. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

31. The permittee shall maintain and have available at all times the following: a current list of all coatings used that includes the material name and manufacturer, application method, coating type and mix ratio specific to the coating, and the VOC Actual for Coatings and VOC Regulatory for Coatings as applied; current manufacturer specification sheets, material safety data sheets (MSDS), technical data sheets, or air quality data sheets, which list the VOC Actual for Coatings and VOC Regulatory for Coatings of each ready-to-spray coating and automotive coating components; and purchase records identifying the coating type, name, and volume of coatings bought. [District Rule 4612] Federally Enforceable Through Title V Permit
32. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rules 4605 and 4612] Federally Enforceable Through Title V Permit
33. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-69-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

261 HP AUXILIARY POWER UNIT (APU) TEST PAD (T-26) (ADJACENT TO BUILDING 175)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Only GTC 36-200 engines shall be tested at this site. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Engine test rate shall not exceed 10 test/day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall keep daily records of the number of engine tests, and fuel usage. Records shall be retained for at least five years and provided for District inspection upon request. [District Rule 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-70-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

T-14/T-17 OPEN ENGINE TEST PADS (BLDG 242)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Only F-404-GE-400, F404-GE-402, and T-400-CP-400 engines shall be tested at this site. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Engine test rate shall not exceed five F-404-GE-400 or F404-GE-402 tests/day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Daily combined fuel usage from jet engine test cells #3 and #4 (permits C-2106-23 and '74) and jet engine test pad (C-2106-70) shall not exceed 13,080 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from this test pad shall not exceed any of the following limits: 0.192 lb-NO<sub>x</sub>/gal, 0.041 lb-SO<sub>x</sub>/gal, 0.0261 lb-PM<sub>10</sub>/gal, 0.383 lb-CO/gal, or 0.0510 lb-VOC/gal. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Fuel sulfur content shall not exceed 3,000 ppm by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Permittee shall determine fuel sulfur content annually. Samples of the fuel be taken at the facility or at the refinery, valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement. [District Rule 2201] Federally Enforceable Through Title V Permit
9. A record shall be maintained of the date, type, and quantity of engines tested, quantity of fuel used during each test of each engine, and fuel sulfur content. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
10. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-70-6 : Aug 31 2022 7:54AM -- GARCIAJ

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-74-5

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**  
JET TEST CELL #4 (BLDG 176)

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## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. Daily combined fuel usage from jet engine test cells #3 and #4 (permits C-2106-23 and '74) and jet engine test pad (C-2106-70) shall not exceed 13,080 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this test cell shall not exceed any of the following limits: 0.192 lb-NO<sub>x</sub>/gal, 0.041 lb-SO<sub>x</sub>/gal, 0.0261 lb-PM<sub>10</sub>/gal, 0.383 lb-CO/gal, or 0.0510 lb-VOC/gal. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fuel sulfur content shall not exceed 3,000 ppm by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall determine fuel sulfur content annually. Samples of the fuel be taken at the facility or at the refinery, valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A record shall be maintained of the date and quantity of engines tested, quantity of fuel used during each test of each engine, and fuel sulfur content. [District Rules 1070, 2201 and 2520] Federally Enforceable Through Title V Permit
9. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-117-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 1, MODULES 1 - 5)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
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9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-118-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 1)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
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9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-119-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 4)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
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9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-120-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 2)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-121-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 5)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

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These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-122-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 2)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.



9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-123-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 3)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-124-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 5)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-125-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 3)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-126-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 4)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-127-8

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 5)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-140-7

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

BATCH LOADED COLD CLEANER DEGREASER, CONSISTING OF ONE CANISTER WITH 9.75 INCH OPEN DIAMETER AND CAPACITY LESS THAN 2.0 GALLONS (BLDG 188 - AIRCRAFT INTERMEDIATE MAINTENANCE DIVISION (AIMD))

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Degreaser shall be covered at all times except when parts are being added to, removed from, or handled in the solvent bath. [District Rule 4662] Federally Enforceable Through Title V Permit
3. Solvent carryout shall be minimized by racking parts to allow complete drainage, tipping or rotating out any pool of solvent on the clean part before removal, and allowing parts to dry within the degreaser until visually dry. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The capacity of the degreaser shall be less than 2.0 gallons. [District Rule 4662] Federally Enforceable Through Title V Permit
5. The degreaser shall be conspicuously marked to show the maximum allowable solvent level. [District Rule 4662] Federally Enforceable Through Title V Permit
6. VOC emissions from this degreaser shall not exceed 2.0 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Solvent usage for this degreaser, excluding solvent that is recycled or disposed of properly, shall not exceed 0.42 gal/day. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The VOC content of the solvent shall not exceed 4.75 lb/gal. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The permittee shall maintain records on a monthly basis which show all of the following: the type of degreaser, the type of solvent and the VOC content of solvent as used, the volume of solvent used, the volume of make-up solvent added, the volume of solvent removed for recycling or disposal purposes, and acceptable disposal methods. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Operator records shall be retained on-site for at least five years and made available for District inspection upon request. [District Rule 2520] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-149-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

COATING OPERATION WITH MODEL #SPF-24-8-10, HV FLOOR FILTER OPEN FRONT PAINT SPRAY BOOTH WITH 25'W X 8'6"H X 13'2"L OUTSIDE DIMENSIONS (BLDG 188 - AIMD PAINT SHOP)

## PERMIT UNIT REQUIREMENTS

1. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), 4606 (Wood Products), or 4612 (Motor Vehicles and Mobile Equipment), depending on item being coated. [District Rules 4601, 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
2. All painting, including application of primer, shall be conducted inside the booth with filters in place, fan(s) operating, and doors closed. [District Rule 2201] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Emissions from paint booth shall not exceed either of the following limits: 46.2 lb VOC/day or 6.5 lb PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Total coating material usage shall not exceed 14.0 gal/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. The VOC Regulatory content of coatings used for motor vehicles and mobile equipment, as applied, shall not exceed any of the following limits: adhesion promoter 540 g/l (4.5 lb/gal), clear coating 250 g/l (2.1 lb/gal), color coating 420 g/l (3.5 lb/gal), multi-color coating 680 g/l (5.7 lb/gal), pretreatment coating 660 g/l (5.5 lb/gal), primer 250 g/l (2.1 lb/gal), primer sealer 250 g/l (2.1 lb/gal), single-stage coating 340 g/l (2.8 lb/gal), temporary protective coating 60 g/l (0.5 lb/gal), underbody coating 430 g/l (3.6 lb/gal), uniform finish coating 540 g/l (4.5 lb/gal), and any other coating type 250 g/l (2.1 lb/gal). The VOC Regulatory content for coatings shall be defined as the VOC in grams per liter of coating (or pounds per gallon of coating), excluding water and exempt compounds. [District Rule 4612] Federally Enforceable Through Title V Permit
15. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
16. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
17. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603, 4606, and 4612] Federally Enforceable Through Title V Permit
18. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

19. For bug and tar removal on motor vehicles and mobile equipment, the permittee shall not use any material other than bug and tar remover regulated under the Consumer Products Regulation (California Code of Regulations Section 94507 et seq.). [District Rule 4612] Federally Enforceable Through Title V Permit
20. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
21. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
22. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
23. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
24. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
25. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
28. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
30. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

31. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
32. The permittee shall maintain and have available at all times the following: a current list of all coatings used that includes the material name and manufacturer, application method, coating type and mix ratio specific to the coating, and the VOC Actual for Coatings and VOC Regulatory for Coatings as applied; current manufacturer specification sheets, material safety data sheets (MSDS), technical data sheets, or air quality data sheets, which list the VOC Actual for Coatings and VOC Regulatory for Coatings of each ready-to-spray coating and automotive coating components; and purchase records identifying the coating type, name, and volume of coatings bought. [District Rule 4612] Federally Enforceable Through Title V Permit
33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rules 4605 and 4612] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-151-7

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 5, MODULES 1 - 3)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Permittee shall use no more than 68 gal/yr of cleanup solvents. [District Rule 4102]
9. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
11. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
14. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
17. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
18. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
20. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



22. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
23. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
26. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
29. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
31. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
33. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

34. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
35. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-153-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 1)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-154-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 2)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



21. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-155-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 3)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-156-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 4)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



21. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-157-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 1)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-162-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

INLAND TECHNOLOGY MODEL TEK JET 4500 COLD SOLVENT DEGREASER #1 (BLDG 188, AIMD 500 TIRE SHOP)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. A permanent, conspicuous label shall be posted which lists operating requirements described in District Rule 4662. [District Rule 4662] Federally Enforceable Through Title V Permit
3. Permittee shall comply with the air-tight or airless cleaning system requirements. [District Rule 4662] Federally Enforceable Through Title V Permit
4. All fresh or spent solvent shall be stored in closed containers. Solvent laden cloth or paper shall be stored and disposed in closed non-absorbent containers. [District Rule 4662] Federally Enforceable Through Title V Permit
5. Solvent carryout shall be minimized by racking parts to allow complete drainage, tipping or rotating out any pool of solvent on the clean part before removal, and allowing parts to dry within the degreaser until visually dry. [District Rule 4662] Federally Enforceable Through Title V Permit
6. The equipment shall be operated in accordance with the manufacturer's specifications and operated with a door or other pressure sealing apparatus that is in place during all cleaning and drying cycles. [District Rule 4662] Federally Enforceable Through Title V Permit
7. All associated pressure relief devices shall not allow liquid solvents to drain out. Spills during solvent transfer shall be wiped up immediately and handled in accordance with Rule 4662. [District Rule 4662] Federally Enforceable Through Title V Permit
8. A differential pressure gauge shall be installed to indicate the sealed chamber pressure. [District Rule 4662] Federally Enforceable Through Title V Permit
9. The degreaser and any solvent-holding pans shall be conspicuously marked to show the maximum allowable solvent level. [District Rule 4662] Federally Enforceable Through Title V Permit
10. Equipment shall be operated and maintained and records maintained in accordance with Rule 4662 (Organic Solvent Degreasing Operations). [District Rule 4662] Federally Enforceable Through Title V Permit
11. Solvent usage for this degreaser, excluding solvent that is recycled or disposed of properly, shall not exceed 0.14 gal/day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. VOC emissions from this degreaser shall not exceed 1.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. An operator shall have solvent manufacturer specification sheets available for review. [District Rule 4662] Federally Enforceable Through Title V Permit
14. Operator shall maintain monthly records of solvent usage and type. The records shall be retained for at least five years and provided for District inspection upon request. [District Rules 1070 and 4662] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

15. The permittee shall maintain records on a monthly basis which show all of the following: the type of degreaser, the type of solvent and the VOC content of solvent as used, the solvent initial boiling point, the volume of solvent used, the volume of make-up solvent added, the volume of solvent removed for recycling or disposal purposes, and acceptable disposal methods. [District Rule 4662] Federally Enforceable Through Title V Permit
16. All records shall be retained on site for at least five years and made available to the APCO, ARB or EPA, upon request. [District Rules 1070 and 4662] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-163-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

INLAND TECHNOLOGY MODEL TEK JET 4500 COLD SOLVENT DEGREASER #2 (BLDG 188, AIMD 500 TIRE SHOP)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. A permanent, conspicuous label shall be posted which lists operating requirements described in District Rule 4662. [District Rule 4662] Federally Enforceable Through Title V Permit
3. Permittee shall comply with the air-tight or airless cleaning system requirements. [District Rule 4662] Federally Enforceable Through Title V Permit
4. All fresh or spent solvent shall be stored in closed containers. Solvent laden cloth or paper shall be stored and disposed in closed non-absorbent containers. [District Rule 4662] Federally Enforceable Through Title V Permit
5. Solvent carryout shall be minimized by racking parts to allow complete drainage, tipping or rotating out any pool of solvent on the clean part before removal, and allowing parts to dry within the degreaser until visually dry. [District Rule 4662] Federally Enforceable Through Title V Permit
6. The equipment shall be operated in accordance with the manufacturer's specifications and operated with a door or other pressure sealing apparatus that is in place during all cleaning and drying cycles. [District Rule 4662] Federally Enforceable Through Title V Permit
7. All associated pressure relief devices shall not allow liquid solvents to drain out. Spills during solvent transfer shall be wiped up immediately and handled in accordance with Rule 4662. [District Rule 4662] Federally Enforceable Through Title V Permit
8. A differential pressure gauge shall be installed to indicate the sealed chamber pressure. [District Rule 4662] Federally Enforceable Through Title V Permit
9. The degreaser and any solvent-holding pans shall be conspicuously marked to show the maximum allowable solvent level. [District Rule 4662] Federally Enforceable Through Title V Permit
10. Equipment shall be operated and maintained and records maintained in accordance with Rule 4662 (Organic Solvent Degreasing Operations). [District Rule 4662] Federally Enforceable Through Title V Permit
11. Solvent usage for this degreaser, excluding solvent that is recycled or disposed of properly, shall not exceed 0.14 gal/day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. VOC emissions from this degreaser shall not exceed 1.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. An operator shall have solvent manufacturer specification sheets available for review. [District Rule 4662] Federally Enforceable Through Title V Permit
14. Operator shall maintain monthly records of solvent usage and type. The records shall be retained for at least five years and provided for District inspection upon request. [District Rules 1070 and 4662] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

15. The permittee shall maintain records on a monthly basis which show all of the following: the type of degreaser, the type of solvent and the VOC content of solvent as used, the solvent initial boiling point, the volume of solvent used, the volume of make-up solvent added, the volume of solvent removed for recycling or disposal purposes, and acceptable disposal methods. [District Rule 4662] Federally Enforceable Through Title V Permit
16. All records shall be retained on site for at least five years and made available to the APCO, ARB or EPA, upon request. [District Rules 1070 and 4662] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-165-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

INLAND TECHNOLOGY MODEL TEK JET 4500 COLD SOLVENT DEGREASER #4 (BLDG 179, AIMD 900 DIVISION, GSE)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. A permanent, conspicuous label shall be posted which lists operating requirements described in District Rule 4662. [District Rule 4662] Federally Enforceable Through Title V Permit
3. Permittee shall comply with the air-tight or airless cleaning system requirements. [District Rule 4662] Federally Enforceable Through Title V Permit
4. All fresh or spent solvent shall be stored in closed containers. Solvent laden cloth or paper shall be stored and disposed in closed non-absorbent containers. [District Rule 4662] Federally Enforceable Through Title V Permit
5. Solvent carryout shall be minimized by racking parts to allow complete drainage, tipping or rotating out any pool of solvent on the clean part before removal, and allowing parts to dry within the degreaser until visually dry. [District Rule 4662] Federally Enforceable Through Title V Permit
6. The equipment shall be operated in accordance with the manufacturer's specifications and operated with a door or other pressure sealing apparatus that is in place during all cleaning and drying cycles. [District Rule 4662] Federally Enforceable Through Title V Permit
7. All associated pressure relief devices shall not allow liquid solvents to drain out. Spills during solvent transfer shall be wiped up immediately and handled in accordance with Rule 4662. [District Rule 4662] Federally Enforceable Through Title V Permit
8. A differential pressure gauge shall be installed to indicate the sealed chamber pressure. [District Rule 4662] Federally Enforceable Through Title V Permit
9. The degreaser and any solvent-holding pans shall be conspicuously marked to show the maximum allowable solvent level. [District Rule 4662] Federally Enforceable Through Title V Permit
10. Equipment shall be operated and maintained and records maintained in accordance with Rule 4662 (Organic Solvent Degreasing Operations). [District Rule 4662] Federally Enforceable Through Title V Permit
11. Solvent usage for this degreaser, excluding solvent that is recycled or disposed of properly, shall not exceed 0.14 gal/day. [District Rule 2201] Federally Enforceable Through Title V Permit
12. VOC emissions from this degreaser shall not exceed 1.0 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
13. An operator shall have solvent manufacturer specification sheets available for review. [District Rule 4662] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

14. Operator shall maintain monthly records of solvent usage and type. The records shall be retained for at least five years and provided for District inspection upon request. [District Rules 1070 and 4662] Federally Enforceable Through Title V Permit
15. The permittee shall maintain records on a monthly basis which show all of the following: the type of degreaser, the type of solvent and the VOC content of solvent as used, the solvent initial boiling point, the volume of solvent used, the volume of make-up solvent added, the volume of solvent removed for recycling or disposal purposes, and acceptable disposal methods. [District Rule 4662] Federally Enforceable Through Title V Permit
16. All records shall be retained on site for at least five years and made available to the APCO, ARB or EPA, upon request. [District Rules 1070 and 4662] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-167-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR C, BLDG 180)

## PERMIT UNIT REQUIREMENTS

1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District Rule 2201] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC in any rolling 12 month period or 108,619 lb-PM10 in any rolling 12 month period. [District Rule 2201] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. The operator shall comply with the following work practice standards: 1) store all VOC-containing coatings, thinners, cleaning materials, solvents, and waste materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty; 2) close mixing vessels that contain VOC coatings and other materials, except when specifically in use; 3) minimize spills of any VOC-containing materials and clean up spills immediately; and 4) convey VOC-containing materials in closed containers or pipes. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-168-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

METAL PARTS AND PRODUCTS POWDER COATING OPERATION WITH ELECTROSTATIC SPRAY GUN(S), OPEN FACED POWDER COATING BOOTH WITH PULSE JET CARTRIDGE BAGHOUSE, 1.2 MMBTU/HR NATURAL GAS-FIRED CURING OVEN WITH A 1.2 MMBTU/HR ECLIPSE MODEL 160 AH BURNER, AND 1.9 MMBTU/HR NATURAL GAS-FIRED BURNOUT OVEN WITH A 1.9 MMBTU/HR ECLIPSE MODEL J121A-3 BURNER (BLDG 168, AIMD 900 DIVISION, GSE)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The curing and burnout ovens shall only be fired on PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
5. A non-resettable hour meter to record the hours of operation for each of the curing and burnout ovens shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Only electrostatic or equivalent coating application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rule 4603] Federally Enforceable Through Title V Permit
7. All coating shall be conducted in booth with filters in place and fan(s) operating. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Maximum hours of operation for the curing oven shall not exceed either of the following limits: 8 hr/day or 260 days/year. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Maximum hours of operation for the burnout oven shall not exceed either of the following limits: 8 hr/day or 260 days/year. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Emissions from the natural gas-fired curing oven shall not exceed any of the following limits: 0.1 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Emissions from the natural gas-fired burnout oven shall not exceed any of the following limits: 0.071 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emissions from the spray booth shall not exceed either of the following limits: 0.2 lb-PM<sub>10</sub>/day or 50 lb-PM<sub>10</sub>/year. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

13. Powder coating use shall not exceed either of the following limits: 320 lb/day or 83,200 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Powder coating operation shall be limited to polyester resin powder coating or other District-approved powder coating materials. [District Rules 2201 and 4603] Federally Enforceable Through Title V Permit
15. Powder coating material shall not contain VOC's. Manufacturer's Material Safety Data Sheets may be used to confirm the VOC content of the powder coating. [District Rules 2201 and 4684] Federally Enforceable Through Title V Permit
16. Permittee shall maintain records of daily and annual hours of operation of the curing and burnout oven. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Permittee shall maintain daily records of quantity and type of powder coating used. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
18. VOC content of solvents used shall not exceed any of the following limits: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
19. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4603] Federally Enforceable Through Title V Permit
20. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rule 2201] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-170-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE LPG/PROPANE-FUELED MOBILE AIRCRAFT FIRE TRAINING DEVICE (MAFTD) (BLDG 559)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The fire training operation shall be fired on LPG gas fuel (propane) only. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The annual LPG gas consumption from this unit shall not exceed 27,800 gallons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. LPG gas consumption shall not exceed 600 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions shall not exceed any of the following limits: 21.45 lb NO<sub>x</sub>/1000 gal, 0.094 lb-SO<sub>x</sub>/1000 gal, 9.9 lb PM<sub>10</sub>/1000 gal, 36.43 lb CO/1000 gal, or 28.62 lb VOC/1000 gal. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The MAFTD shall be equipped with a fuel metering device. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
7. Permittee shall maintain daily and annual records of the amount of LPG used in the MAFTD. The amount of LPG used shall be taken from fuel metering device. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
8. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and 2520] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-174-2

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

158 BHP JOHN DEERE MODEL 4045HF285I TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (STRUCTURE 455A)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 1.30 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.14 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rules 2520 and 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-175-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

130 BHP CATERPILLAR MODEL C4.4 TIER 4I CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE  
POWERING AN ELECTRICAL GENERATOR (PRECISION APPROACH RADAR, STRUCTURE 467, RUNWAY 32L)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.54 g-NOx/bhp-hr, 0.15 g-CO/bhp-hr, or 0.004 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.003 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rules 2520 and 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-176-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

130 BHP CATERPILLAR MODEL C4.4 TIER 4I CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE  
POWERING AN ELECTRICAL GENERATOR (PRECISION APPROACH RADAR, STRUCTURE 466, RUNWAY 32R)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.54 g-NOx/bhp-hr, 0.15 g-CO/bhp-hr, or 0.004 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.003 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rules 2520 and 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-183-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

318 BHP (INTERMITTENT) JOHN DEERE MODEL 6068HF485 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 330)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.47 g-NOx/bhp-hr, 0.45 g-CO/bhp-hr, or 0.08 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-184-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

80 BHP (INTERMITTENT) MODEL 4024HF285B JOHN DEERE TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 42)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 3.2 g-NO<sub>x</sub>/bhp-hr, 0.8 g-CO/bhp-hr, or 0.05 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.15 g-PM<sub>10</sub>/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-186-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

315 BHP (INTERMITTENT) JOHN DEERE MODEL 6068HF485 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (SERIAL NUMBER PE6068N000932) LOCATED AT SOUTH HANGAR 5 (BLDG 352)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.85 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

DRAFT

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-187-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

CONFINED ABRASIVE BLASTING OPERATION WITH A 500 LB PAULI SYSTEMS INC MODEL RAM-35B BLASTING CABINET SERVED BY AN INTEGRAL DUST COLLECTION SYSTEM (BLDG 180)

## PERMIT UNIT REQUIREMENTS

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1. {4627} All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. Emissions from the abrasive blasting operation shall be controlled using a dust collector with filters that achieve at least 99.9% control efficiency for PM10 emissions. The dust collector and filters shall be operated and maintained in accordance with the manufacturers' recommendations. [District Rule 4102]
3. {52} The blasting operations shall be carried out in a manner to prevent any nuisances. [District Rule 4102]
4. Abrasive blasting operations conducted within the blasting cabinet shall not discharge air contaminants into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark or darker than Ringelmann 1 or equivalent to 20% opacity. [17 CCR 92200]
5. All abrasive blasting shall be conducted in accordance with California Code of Regulations Title 17, Subchapter 6, Sections 92000 through 92540. [17 CCR 92000 through 92540]
6. A used certified abrasive shall not be considered certified for reuse unless the abrasive conforms to its original cut-point fineness. [17 CCR 92530]

These terms and conditions are part of the Facility-wide Permit to Operate.



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-188-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

1,193 BHP (INTERMITTENT) MTU MODEL 12V 2000 G85 TB TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 120)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 4.43 g-NOx/bhp-hr, 0.45 g-CO/bhp-hr, or 0.23 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.01 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-189-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

460 BHP (INTERMITTENT) MTU MODEL 6R1600G80S TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 120)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 3.93 g-NOx/bhp-hr, 0.52 g-CO/bhp-hr, or 0.21 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.04 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-190-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

197 BHP (INTERMITTENT) MERCEDES-BENZ MODEL OM924LA TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 121)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 3.43 g-NOx/bhp-hr, 1.42 g-CO/bhp-hr, or 0.18 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.08 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-191-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

315 BHP (INTERMITTENT) JOHN DEERE MODEL 6068HFG82 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (BLDG 359)

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.47 g-NOx/bhp-hr, 0.45 g-CO/bhp-hr, or 0.08 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.



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# ATTACHMENT B

Previous Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

**FACILITY:** C-2106-0-2

**EXPIRATION DATE:** 04/30/2016

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate. Any amendments to these Facility-wide Requirements that affect specific Permit Units may constitute modification of those Permit Units.

Facility Name: NAS LEMOORE  
Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001  
C-2106-0-2 : Aug 31 2022 9:09AM -- GARCIAJ

10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. 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 the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The 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 a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District 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. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit
35. Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE  
These terms and conditions are part of the Facility-wide Permit to Operate.

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin September 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
42. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-1-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

487 BHP CATERPILLAR MODEL #3406B-D1 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 001, CONTROL TOWER)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District NSR Rule and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. The PM10 emissions rate shall not exceed 1.0 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District NSR Rule, District Rule 4102 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-1-3 : Aug 31 2022 9:09AM -- GARCIAJ

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-2-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

749 BHP CATERPILLAR MODEL #3412 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 003, THE FIELD LIGHTING VAULT)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District NSR Rule and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. The PM10 emissions rate shall not exceed 1.0 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District NSR Rule, District Rule 4102 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-2-3 : Aug 31 2022 9:09AM -- GARCIAJ



11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-6-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

69 BHP CUMMINS MODEL #L634T-1710148L DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 461, TACAN SITE)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District NSR Rule and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. The PM10 emissions rate shall not exceed 1.0 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District NSR Rule, District Rule 4102 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-6-3 : Aug 31 2022 9:09AM -- GARCIAJ

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-7-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

375 BHP CUMMINS MODEL #NT855-G4 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 462, TRANSMITTER FACILITY)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District NSR Rule and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. The PM10 emissions rate shall not exceed 1.0 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District NSR Rule, District Rule 4102 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-7-3 : Aug 31 2022 9:09AM -- GARCIAJ

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-8-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

135 BHP CUMMINS MODEL #6BT-5.9-G1 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 464, RECEIVER FACILITY)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District NSR Rule and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. The PM10 emissions rate shall not exceed 1.0 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District NSR Rule, District Rule 4102 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-8-3 : Aug 31 2022 9:09AM -- GARCIAJ

11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-9-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

749 BHP CATERPILLAR MODEL #3412 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 468, APPROACH LIGHT VAULT)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Emissions from this IC engine shall not exceed any of the following limits: 14.1 g-NOx/bhp-hr, 3.03 g-CO/bhp-hr, or 1.14 g-VOC/bhp-hr. [District NSR Rule and 17 CCR 93115] Federally Enforceable Through Title V Permit
3. The PM10 emissions rate shall not exceed 1.0 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District NSR Rule, District Rule 4102 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
9. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-9-4 : Aug 31 2022 9:09AM -- GARCIAJ



11. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-23-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**  
JET TEST CELL #3 (BLDG 175)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. Daily combined fuel usage from jet engine test cells #3 and #4 (permits C-2106-23 and '74) and jet engine test pad (C-2106-70) shall not exceed 13,080 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this test cell shall not exceed any of the following limits: 0.192 lb-NO<sub>x</sub>/gal, 0.041 lb-SO<sub>x</sub>/gal, 0.0261 lb-PM<sub>10</sub>/gal, 0.383 lb-CO/gal, or 0.0510 lb-VOC/gal. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fuel sulfur content shall not exceed 3,000 ppm by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall determine fuel sulfur content annually. Samples of the fuel be taken at the facility or at the refinery, valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A record shall be maintained of the date and quantity of engines tested, quantity of fuel used during each test of each engine, and fuel sulfur content. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
9. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-25-7

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

TWO 66 HP TELEDYNE-WISCONSIN MODEL #V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 32R)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Unit shall be fired on gasoline with a sulfur content of less than 0.003% by weight. [13 CCR 2262] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certification of gasoline sulfur content. [District Rule 2520] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Operation of each IC engine shall not exceed 4,680 hrs/yr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 5.96 g-NOx/bhp-hr, 0.30 g-PM10/bhp-hr, 234.4 g-CO/bhp-hr, or 2.49 g-VOC/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The permittee shall maintain monthly records of total operation, the type of fuel used, and the purpose of the operation. [District Rule 4702] Federally Enforceable Through Title V Permit
8. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of SJVUAPCD Rule 4801 and Kings County APCD Rule 407. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-26-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

TWO 66 HP TELEDYNE-WISCONSIN MODEL V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 32L)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Unit shall be fired on gasoline with a sulfur content of less than 0.003% by weight. [13 CCR 2262] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certification of gasoline sulfur content. [District Rule 2520] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Operation of each IC engine shall not exceed 4,680 hrs/yr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 5.96 g-NOx/bhp-hr, 0.30 g-PM10/bhp-hr, 234.4 g-CO/bhp-hr, or 2.49 g-VOC/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The permittee shall maintain monthly records of total operation, the type of fuel used, and the purpose of the operation. [District Rule 4702] Federally Enforceable Through Title V Permit
8. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of SJVUAPCD Rule 4801 and Kings County APCD Rule 404. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-27-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

TWO 66 HP TELEDYNE-WISCONSIN MODEL V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 14R)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Unit shall be fired on gasoline with a sulfur content of less than 0.003% by weight. [13 CCR 2262] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certification of gasoline sulfur content. [District Rule 2520] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Operation of each IC engine shall not exceed 4,680 hrs/yr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 5.96 g-NOx/bhp-hr, 0.30 g-PM10/bhp-hr, 234.4 g-CO/bhp-hr, or 2.49 g-VOC/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The permittee shall maintain monthly records of total operation, the type of fuel used, and the purpose of the operation. [District Rule 4702] Federally Enforceable Through Title V Permit
8. All records shall be maintained and retained on-site for a minimum of five years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of SJVUAPCD Rule 4801 and Kings County APCD Rule 404. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-28-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

TWO 66 HP TELEDYNE-WISCONSIN MODEL V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 14L)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Unit shall be fired on gasoline with a sulfur content of less than 0.003% by weight. [13 CCR 2262] Federally Enforceable Through Title V Permit
3. Operator shall maintain copies of fuel invoices and supplier certification of gasoline sulfur content. [District Rule 2520] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. Operation of each IC engine shall not exceed 4,680 hrs/yr. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 5.96 g-NOx/bhp-hr, 0.30 g-PM10/bhp-hr, 234.4 g-CO/bhp-hr, or 2.49 g-VOC/bhp-hr. [District NSR Rule] Federally Enforceable Through Title V Permit
7. The permittee shall maintain monthly records of total operation, the type of fuel used, and the purpose of the operation. [District Rule 4702] Federally Enforceable Through Title V Permit
8. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
9. Compliance with permit conditions in the Title V permit shall be deemed compliance with the applicable requirements of SJVUAPCD Rule 4801 and Kings County APCD Rule 404. A permit shield is granted from these requirements. [District Rule 2520] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-39-3

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

COATING OPERATION WITH HVLP SPRAY GUN(S) AND DEVILBISS MODEL DLFA (SERIAL # 501) PAINT SPRAY BOOTH WITH DISPOSABLE EXHAUST FILTERS (BLDG 179, GROUND SUPPORT EQUIPMENT MAINTENANCE)

## PERMIT UNIT REQUIREMENTS

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1. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), 4606 (Wood Products), or 4612 (Motor Vehicles and Mobile Equipment) depending on item being coated. [District Rules 4601, 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
2. All painting, including application of primer, shall be conducted inside the booth with filters in place, fan(s) operating, and doors closed. [District NSR Rule] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed 40.0 lb-VOC/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
7. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
10. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
13. The VOC Regulatory content of coatings used for motor vehicles and mobile equipment, as applied, shall not exceed any of the following limits: adhesion promoter 540 g/l (4.5 lb/gal), clear coating 250 g/l (2.1 lb/gal), color coating 420 g/l (3.5 lb/gal), multi-color coating 680 g/l (5.7 lb/gal), pretreatment coating 660 g/l (5.5 lb/gal), primer 250 g/l (2.1 lb/gal), primer sealer 250 g/l (2.1 lb/gal), single-stage coating 340 g/l (2.8 lb/gal), temporary protective coating 60 g/l (0.5 lb/gal), underbody coating 430 g/l (3.6 lb/gal), uniform finish coating 540 g/l (4.5 lb/gal), and any other coating type 250 g/l (2.1 lb/gal). The VOC Regulatory content for coatings shall be defined as the VOC in grams per liter of coating (or pounds per gallon of coating), excluding water and exempt compounds. [District Rule 4612] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603, 4606, and 4612] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. For bug and tar removal on motor vehicles and mobile equipment, the permittee shall not use any material other than bug and tar remover regulated under the Consumer Products Regulation (California Code of Regulations Section 94507 et seq.). [District Rule 4612] Federally Enforceable Through Title V Permit
19. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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20. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
21. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
22. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
23. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
26. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
28. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
30. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
31. The permittee shall maintain and have available at all times the following: a current list of all coatings used that includes the material name and manufacturer, application method, coating type and mix ratio specific to the coating, and the VOC Actual for Coatings and VOC Regulatory for Coatings as applied; current manufacturer specification sheets, material safety data sheets (MSDS), technical data sheets, or air quality data sheets, which list the VOC Actual for Coatings and VOC Regulatory for Coatings of each ready-to-spray coating and automotive coating components; and purchase records identifying the coating type, name, and volume of coatings bought. [District Rule 4612] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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32. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rules 4605 and 4612] Federally Enforceable Through Title V Permit
33. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-69-2

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

261 HP AUXILIARY POWER UNIT (APU) TEST PAD (T-26) (ADJACENT TO BUILDING 175)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Only GTC 36-200 engines shall be tested at this site. [District NSR Rule] Federally Enforceable Through Title V Permit
4. Engine test rate shall not exceed 10 test/day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Permittee shall keep daily records of the number of engine tests, and fuel usage. Records shall be retained for at least five years and provided for District inspection upon request. [District Rule 1070 and 2520, 9.4.2] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-70-5

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

T-14/T-17 OPEN ENGINE TEST PADS (BLDG 242)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Only F-404-GE-400, F404-GE-402, and T-400-CP-400 engines shall be tested at this site. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Engine test rate shall not exceed five F-404-GE-400 or F404-GE-402 tests/day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Daily combined fuel usage from jet engine test cells #3 and #4 (permits C-2106-23 and '74) and jet engine test pad (C-2106-70) shall not exceed 13,080 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from this test pad shall not exceed any of the following limits: 0.192 lb-NO<sub>x</sub>/gal, 0.041 lb-SO<sub>x</sub>/gal, 0.0261 lb-PM<sub>10</sub>/gal, 0.383 lb-CO/gal, or 0.0510 lb-VOC/gal. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Fuel sulfur content shall not exceed 3,000 ppm by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Permittee shall determine fuel sulfur content annually. Samples of the fuel be taken at the facility or at the refinery, valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement. [District Rule 2201] Federally Enforceable Through Title V Permit
9. A record shall be maintained of the date, type, and quantity of engines tested, quantity of fuel used during each test of each engine, and fuel sulfur content. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
10. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-74-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**  
JET TEST CELL #4 (BLDG 176)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. Daily combined fuel usage from jet engine test cells #3 and #4 (permits C-2106-23 and '74) and jet engine test pad (C-2106-70) shall not exceed 13,080 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions from this test cell shall not exceed any of the following limits: 0.192 lb-NO<sub>x</sub>/gal, 0.041 lb-SO<sub>x</sub>/gal, 0.0261 lb-PM<sub>10</sub>/gal, 0.383 lb-CO/gal, or 0.0510 lb-VOC/gal. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Fuel sulfur content shall not exceed 3,000 ppm by weight. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Permittee shall determine fuel sulfur content annually. Samples of the fuel be taken at the facility or at the refinery, valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A record shall be maintained of the date and quantity of engines tested, quantity of fuel used during each test of each engine, and fuel sulfur content. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
9. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 1070] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-117-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 1, MODULES 1 - 5)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-118-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 1)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-119-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 4)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-120-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 2)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-121-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 5)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-122-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 2)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-123-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 3)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-124-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 5)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-125-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 3)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-126-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 4)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-127-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 5)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
15. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
16. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
17. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit
18. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

20. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
23. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
25. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
28. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
29. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit
30. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-140-6

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

BATCH LOADED COLD CLEANER DEGREASER, CONSISTING OF ONE CANISTER WITH 9.75 INCH OPEN DIAMETER AND CAPACITY LESS THAN 2.0 GALLONS (BLDG 188 - AIRCRAFT INTERMEDIATE MAINTENANCE DIVISION (AIMD))

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. Degreaser shall be covered at all times except when parts are being added to, removed from, or handled in the solvent bath. [District Rule 4662] Federally Enforceable Through Title V Permit
3. Solvent carryout shall be minimized by racking parts to allow complete drainage, tipping or rotating out any pool of solvent on the clean part before removal, and allowing parts to dry within the degreaser until visually dry. [District NSR Rule] Federally Enforceable Through Title V Permit
4. The capacity of the degreaser shall be less than 2.0 gallons. [District Rule 4662] Federally Enforceable Through Title V Permit
5. The degreaser shall be conspicuously marked to show the maximum allowable solvent level. [District Rule 4662] Federally Enforceable Through Title V Permit
6. VOC emissions from this degreaser shall not exceed 2.0 lb VOC/day. [District NSR Rule] Federally Enforceable Through Title V Permit
7. Solvent usage for this degreaser, excluding solvent that is recycled or disposed of properly, shall not exceed 0.42 gal/day. [District NSR Rule] Federally Enforceable Through Title V Permit
8. The VOC content of the solvent shall not exceed 4.75 lb/gal. [District NSR Rule] Federally Enforceable Through Title V Permit
9. The permittee shall maintain records on a monthly basis which show all of the following: the type of degreaser, the type of solvent and the VOC content of solvent as used, the volume of solvent used, the volume of make-up solvent added, the volume of solvent removed for recycling or disposal purposes, and acceptable disposal methods. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Operator records shall be retained on-site for at least five years and made available for District inspection upon request. [District Rules 2520] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-149-2

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

COATING OPERATION WITH MODEL #SPF-24-8-10, HV FLOOR FILTER OPEN FRONT PAINT SPRAY BOOTH WITH 25'W X 8'6"H X 13'2"L OUTSIDE DIMENSIONS (BLDG 188 - AIMD PAINT SHOP)

## PERMIT UNIT REQUIREMENTS

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1. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), 4606 (Wood Products), or 4612 (Motor Vehicles and Mobile Equipment), depending on item being coated. [District Rules 4601, 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. Emissions from paint booth shall not exceed either of the following limits: 46.2 lb VOC/day or 6.5 lb PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
5. Total coating material usage shall not exceed 14.0 gal/day. [District NSR Rule] Federally Enforceable Through Title V Permit
6. All painting, including application of primer, shall be conducted inside the booth with filters in place, fan(s) operating, and doors closed. [District NSR Rule] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 °F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 °F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
10. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
14. The VOC Regulatory content of coatings used for motor vehicles and mobile equipment, as applied, shall not exceed any of the following limits: adhesion promoter 540 g/l (4.5 lb/gal), clear coating 250 g/l (2.1 lb/gal), color coating 420 g/l (3.5 lb/gal), multi-color coating 680 g/l (5.7 lb/gal), pretreatment coating 660 g/l (5.5 lb/gal), primer 250 g/l (2.1 lb/gal), primer sealer 250 g/l (2.1 lb/gal), single-stage coating 340 g/l (2.8 lb/gal), temporary protective coating 60 g/l (0.5 lb/gal), underbody coating 430 g/l (3.6 lb/gal), uniform finish coating 540 g/l (4.5 lb/gal), and any other coating type 250 g/l (2.1 lb/gal). The VOC Regulatory content for coatings shall be defined as the VOC in grams per liter of coating (or pounds per gallon of coating), excluding water and exempt compounds. [District Rule 4612] Federally Enforceable Through Title V Permit
15. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
16. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
17. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603, 4606, and 4612] Federally Enforceable Through Title V Permit
18. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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19. For bug and tar removal on motor vehicles and mobile equipment, the permittee shall not use any material other than bug and tar remover regulated under the Consumer Products Regulation (California Code of Regulations Section 94507 et seq.). [District Rule 4612] Federally Enforceable Through Title V Permit
20. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
21. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
22. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
23. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit
24. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
25. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
28. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
30. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

32. The permittee shall maintain and have available at all times the following: a current list of all coatings used that includes the material name and manufacturer, application method, coating type and mix ratio specific to the coating, and the VOC Actual for Coatings and VOC Regulatory for Coatings as applied; current manufacturer specification sheets, material safety data sheets (MSDS), technical data sheets, or air quality data sheets, which list the VOC Actual for Coatings and VOC Regulatory for Coatings of each ready-to-spray coating and automotive coating components; and purchase records identifying the coating type, name, and volume of coatings bought. [District Rule 4612] Federally Enforceable Through Title V Permit
33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rules 4605 and 4612] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, 4606, and 4612] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-151-5

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 5, MODULES 1 - 3)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Permittee shall use no more than 68 gal/yr of cleanup solvents. [District Rule 4102]
9. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
10. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
11. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
14. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
17. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
18. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
20. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
21. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

22. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
23. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
24. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
26. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
29. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
31. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
33. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

34. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
35. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-153-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 1)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-154-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 2)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-155-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 3)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-156-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 4)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-157-4

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 1)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, '-153 through '-157, and '-167, the permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, '-153 through '-157, and '-167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '-127, '-151, '-153 through '-157, and '-167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605 (6/16/2011). [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-162-2

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

INLAND TECHNOLOGY MODEL TEK JET 4500 COLD SOLVENT DEGREASER #1 (BLDG 188, AIMD 500 TIRE SHOP)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. A permanent, conspicuous label shall be posted which lists operating requirements described in District Rule 4662. [District Rule 4662] Federally Enforceable Through Title V Permit
3. All fresh or spent solvent shall be stored in closed containers. Solvent laden cloth or paper shall be stored and disposed in closed non-absorbent containers. [District Rule 4662] Federally Enforceable Through Title V Permit
4. Solvent carryout shall be minimized by racking parts to allow complete drainage, tipping or rotating out any pool of solvent on the clean part before removal, and allowing parts to dry within the degreaser until visually dry. [District Rule 4662] Federally Enforceable Through Title V Permit
5. Permittee shall comply with the air-tight or airless cleaning system requirements. [District Rule 4662] Federally Enforceable Through Title V Permit
6. The equipment shall be operated in accordance with the manufacturer's specifications and operated with a door or other pressure sealing apparatus that is in place during all cleaning and drying cycles. [District Rule 4662] Federally Enforceable Through Title V Permit
7. All associated pressure relief devices shall not allow liquid solvents to drain out. Spills during solvent transfer shall be wiped up immediately and handled in accordance with Rule 4662, Section 5.1.1.7. [District Rule 4662] Federally Enforceable Through Title V Permit
8. A differential pressure gauge shall be installed to indicate the sealed chamber pressure. [District Rule 4662] Federally Enforceable Through Title V Permit
9. The degreaser and any solvent-holding pans shall be conspicuously marked to show the maximum allowable solvent level. [District Rule 4662] Federally Enforceable Through Title V Permit
10. Equipment shall be operated and maintained and records maintained in accordance with Rule 4662 (Organic Solvent Degreasing Operations). [District Rule 4662] Federally Enforceable Through Title V Permit
11. Solvent usage for this degreaser, excluding solvent that is recycled or disposed of properly, shall not exceed 0.14 gal/day. [District NSR Rule] Federally Enforceable Through Title V Permit
12. VOC emissions from this degreaser shall not exceed 1.0 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Operator shall maintain monthly records of solvent usage and type. The records shall be retained for at least five years and provided for District inspection upon request. [District Rules 1070 and 4662] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-162-2 : Aug 31 2022 9:09AM -- GARCIAJ

14. The permittee shall maintain records on a monthly basis which show all of the following: the type of degreaser, the type of solvent and the VOC content of solvent as used, the solvent initial boiling point, the volume of solvent used, the volume of make-up solvent added, the volume of solvent removed for recycling or disposal purposes, and acceptable disposal methods. [District Rule 4662, 6.1.1] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-163-2

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

INLAND TECHNOLOGY MODEL TEK JET 4500 COLD SOLVENT DEGREASER #2 (BLDG 188, AIMD 500 TIRE SHOP)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. A permanent, conspicuous label shall be posted which lists operating requirements described in District Rule 4662. [District Rule 4662] Federally Enforceable Through Title V Permit
3. All fresh or spent solvent shall be stored in closed containers. Solvent laden cloth or paper shall be stored and disposed in closed non-absorbent containers. [District Rule 4662] Federally Enforceable Through Title V Permit
4. Solvent carryout shall be minimized by racking parts to allow complete drainage, tipping or rotating out any pool of solvent on the clean part before removal, and allowing parts to dry within the degreaser until visually dry. [District Rule 4662] Federally Enforceable Through Title V Permit
5. Permittee shall comply with the air-tight or airless cleaning system requirements. [District Rule 4662] Federally Enforceable Through Title V Permit
6. The equipment shall be operated in accordance with the manufacturer's specifications and operated with a door or other pressure sealing apparatus that is in place during all cleaning and drying cycles. [District Rule 4662] Federally Enforceable Through Title V Permit
7. All associated pressure relief devices shall not allow liquid solvents to drain out. Spills during solvent transfer shall be wiped up immediately and handled in accordance with Rule 4662, Section 5.1.1.7. [District Rule 4662] Federally Enforceable Through Title V Permit
8. A differential pressure gauge shall be installed to indicate the sealed chamber pressure. [District Rule 4662] Federally Enforceable Through Title V Permit
9. The degreaser and any solvent-holding pans shall be conspicuously marked to show the maximum allowable solvent level. [District Rule 4662] Federally Enforceable Through Title V Permit
10. Equipment shall be operated and maintained and records maintained in accordance with Rule 4662 (Organic Solvent Degreasing Operations). [District Rule 4662] Federally Enforceable Through Title V Permit
11. Solvent usage for this degreaser, excluding solvent that is recycled or disposed of properly, shall not exceed 0.14 gal/day. [District NSR Rule] Federally Enforceable Through Title V Permit
12. VOC emissions from this degreaser shall not exceed 1.0 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Operator shall maintain monthly records of solvent usage and type. The records shall be retained for at least five years and provided for District inspection upon request. [District Rules 1070 and 4662] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-163-2 : Aug 31 2022 9:09AM -- GARCIAJ

14. The permittee shall maintain records on a monthly basis which show all of the following: the type of degreaser, the type of solvent and the VOC content of solvent as used, the solvent initial boiling point, the volume of solvent used, the volume of make-up solvent added, the volume of solvent removed for recycling or disposal purposes, and acceptable disposal methods. [District Rule 4662, 6.1.1] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-165-2

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

INLAND TECHNOLOGY MODEL TEK JET 4500 COLD SOLVENT DEGREASER #4 (BLDG 179, AIMD 900 DIVISION, GSE)

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
2. A permanent, conspicuous label shall be posted which lists operating requirements described in District Rule 4662. [District Rule 4662] Federally Enforceable Through Title V Permit
3. All fresh or spent solvent shall be stored in closed containers. Solvent laden cloth or paper shall be stored and disposed in closed non-absorbent containers. [District Rule 4662] Federally Enforceable Through Title V Permit
4. Solvent carryout shall be minimized by racking parts to allow complete drainage, tipping or rotating out any pool of solvent on the clean part before removal, and allowing parts to dry within the degreaser until visually dry. [District Rule 4662] Federally Enforceable Through Title V Permit
5. Permittee shall comply with the air-tight or airless cleaning system requirements. [District Rule 4662] Federally Enforceable Through Title V Permit
6. The equipment shall be operated in accordance with the manufacturer's specifications and operated with a door or other pressure sealing apparatus that is in place during all cleaning and drying cycles. [District Rule 4662] Federally Enforceable Through Title V Permit
7. All associated pressure relief devices shall not allow liquid solvents to drain out. Spills during solvent transfer shall be wiped up immediately and handled in accordance with Rule 4662, Section 5.1.1.7. [District Rule 4662] Federally Enforceable Through Title V Permit
8. A differential pressure gauge shall be installed to indicate the sealed chamber pressure. [District Rule 4662] Federally Enforceable Through Title V Permit
9. The degreaser and any solvent-holding pans shall be conspicuously marked to show the maximum allowable solvent level. [District Rule 4662] Federally Enforceable Through Title V Permit
10. Equipment shall be operated and maintained and records maintained in accordance with Rule 4662 (Organic Solvent Degreasing Operations). [District Rule 4662] Federally Enforceable Through Title V Permit
11. Solvent usage for this degreaser, excluding solvent that is recycled or disposed of properly, shall not exceed 0.14 gal/day. [District NSR Rule] Federally Enforceable Through Title V Permit
12. VOC emissions from this degreaser shall not exceed 1.0 lb/day. [District NSR Rule] Federally Enforceable Through Title V Permit
13. Operator shall maintain monthly records of solvent usage and type. The records shall be retained for at least five years and provided for District inspection upon request. [District Rules 1070 and 4662] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

Facility Name: NAS LEMOORE

Location: NAVAL AIR STATION LEMOORE, 750 ENTERPRISE AVE, LEMOORE, CA 93246-5001

C-2106-165-2 : Aug 31 2022 9:10AM -- GARCIAJ



14. The permittee shall maintain records on a monthly basis which show all of the following: the type of degreaser, the type of solvent and the VOC content of solvent as used, the solvent initial boiling point, the volume of solvent used, the volume of make-up solvent added, the volume of solvent removed for recycling or disposal purposes, and acceptable disposal methods. [District Rule 4662, 6.1.1] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-167-2

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR C, BLDG 180)

## PERMIT UNIT REQUIREMENTS

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1. Coating of aerospace parts not attached to the aircraft, metal parts, or wood products shall be done using brush, dip, roll coating application equipment. If spray coating equipment is used (except when coating aerospace parts attached to the aircraft), coating shall be done in paint spray booths (permit units C-2106-39 and -149). [District NSR Rule] Federally Enforceable Through Title V Permit
2. The permittee shall maintain monthly and annual summaries of total VOC emissions from all squadron corrosion control and maintenance coating operations. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The coating operation shall comply with Rule 4601 (Architectural), 4603 (Metal Parts and Products), 4605 (Aerospace Assembly or Components), or 4606 (Wood Products), depending on item being coated. [District Rules 4601, 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. In permit units C-2106-151, -153 through -157, and -167 the Permittee shall use no more than 34 gal/yr of each of the following aerospace coatings: PRF-85582 Polyamide Epoxy Primer, TT-P-2760 Low Infrared (IR) Primer, and C-83445 Rain Erosion Topcoat. [District Rule 4102]
6. In permit units C-2106-151, -153 through -157, and -167 the Permittee shall use no more than 17 gal/yr of each of the following aerospace coatings: Caap FP-070 Conformal Coating and Courtalds Polyol PR-2414 Low Observability Coating. [District Rule 4102]
7. Permittee shall maintain monthly and annual summaries of the cumulative amounts of each type of aerospace coating and solvent applied in permit units C-2106-151, -153 through -157, and -167. [District Rule 4102]
8. Emissions from this unit shall not exceed either of the following limits: 63.2 lb-VOC/day or 27.0 lb-PM10/day. [District NSR Rule] Federally Enforceable Through Title V Permit
9. Emissions from all squadron coating operations (C-2106-117 through '127, '151, '153 through '157, and '167), shall not exceed either of the following limits: 254,334 lb-VOC/yr or 108,619 lb-PM10/yr based on a twelve month rolling average. [District NSR Rule] Federally Enforceable Through Title V Permit
10. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 øF or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 øF or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 360 g/l (3.0 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 360 g/l (3.0 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 360 g/l (3.0 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal) [District Rule 4603] Federally Enforceable Through Title V Permit
12. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic coating: 420 g/l (3.5 lb/gal), pretreatment coating: 420 g/l (3.5 lb/gal), touch up and repair coating: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
13. VOC content of aerospace coatings as applied, excluding water and exempt compounds, used for aerospace components shall not exceed any of the limits listed in section 5.1, Table 1 of Rule 4605. [District Rule 4605] Federally Enforceable Through Title V Permit
14. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
15. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
16. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
17. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush coating, or continuous application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
18. If an HVLP spray gun is used, the operator must demonstrate that the spray gun operates between 0.1 and 10 pounds per square inch, gauge, (psig) air atomizing pressure, measured dynamically at the center of the air cap and at the air horns. For a gun permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall either be in the form of manufacturer's published technical information or by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. For a gun not permanently labeled HVLP by the manufacturer, a satisfactory demonstration shall be based on manufacturer's published technical material and by a demonstration of the operation of the gun using an air pressure tip gauge from the manufacturer of the gun. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits except as otherwise allowed by this permit: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rules 4603 and 4606] Federally Enforceable Through Title V Permit
20. Permittee shall not use materials with a VOC content greater than or equal to 200 g/l (1.67 lb/gal) as applied or with a VOC composite vapor pressure greater than 45 mmHg (0.87 psia) at 68°F, for aerospace surface cleaning, cleanup, or jet engine or rocket engine gas path cleaning or flushing, excluding stripping coatings or cleaning coating application equipment. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

21. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
22. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
23. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
24. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit
25. VOC content of coatings and solvents shall be analyzed by EPA Method 24 and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
26. Emissions of VOC shall be measured by EPA Method 25, 25A or 25B, as applicable, and analysis of halogenated exempt compounds shall be analyzed by ARB Method 422. [District Rule 4603] Federally Enforceable Through Title V Permit
27. The viscosity of coatings used for dip coating of steel joists shall be determined by using ASTM D5478-98 or ASTM D5125-97. [District Rule 4603] Federally Enforceable Through Title V Permit
28. The quantification of coating as a metallic/iridescent topcoat shall be determined by SCAQMD Method 318 (Determination of Weight Percent of Elemental Metal in Coatings by X-ray Diffraction Method), July 1996. [District Rule 4603] Federally Enforceable Through Title V Permit
29. Measurement of acid content of pre-treatment wash primers shall be conducted and reported in accordance with ASTM D1613-96, Standard Test Method for Acidity in Volatile Solvents and Chemical Intermediates Used in Paint, Varnish Lacquer and Related products. [District Rule 4603] Federally Enforceable Through Title V Permit
30. Permittee shall not use VOC-containing materials to clean spray equipment used for the application of aerospace coatings, adhesives, or ink, unless an enclosed system or equipment that is proven to be equally effective at controlling emissions is used for cleaning. If an enclosed system is used, it must totally enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures, and it must be used according to the manufacturer's recommendations and must be closed when not in use. [District Rule 4605] Federally Enforceable Through Title V Permit
31. Permittee shall not use or specify for use within the District an aerospace coating stripper with a VOC content greater than or equal to 300 g/l (2.5 lb/gal) as applied or with a VOC composite vapor pressure of greater than 9.5 mmHg (0.18 psia) at 68 °F. [District Rule 4605] Federally Enforceable Through Title V Permit
32. Permittee shall maintain records to support that the following aerospace coatings have been specified for their intended application: adhesion promoter, antichafe coating, electric/radiation effect, fuel tank adhesive, high temperature coating, impact resistant coating, optical anti-reflective coating, rain erosion resistant wing coating. [District Rule 4605] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

33. The permittee shall keep the following records for each solvent used for cleaning activities: the quantity of solvent used; a copy of the manufacturer's product data or material safety data sheet (MSDS); the solvent's name and manufacturer, the VOC content of the solvent in grams/liter or pounds/gallon, and the mix ratio and VOC content of the batch when the solvent is a mixture of different materials blended by the permittee. [District Rule 4605] Federally Enforceable Through Title V Permit
34. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rules 4603, 4605, and 4606] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-168-2

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

METAL PARTS AND PRODUCTS POWDER COATING OPERATION WITH ELECTROSTATIC SPRAY GUN(S), OPEN FACED POWDER COATING BOOTH WITH PULSE JET CARTRIDGE BAGHOUSE, 1.2 MMBTU/HR NATURAL GAS-FIRED CURING OVEN WITH A 1.2 MMBTU/HR ECLIPSE MODEL 160 AH BURNER, AND 1.9 MMBTU/HR NATURAL GAS-FIRED BURNOUT OVEN WITH A 1.9 MMBTU/HR ECLIPSE MODEL J121A-3 BURNER

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The curing and burnout ovens shall only be fired on PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
6. A non-resettable hour meter to record the hours of operation for each of the curing and burnout oven shall be installed, utilized and maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Only electrostatic or equivalent coating application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rule 4603] Federally Enforceable Through Title V Permit
8. All coating shall be conducted in booth with filters in place and fan(s) operating. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Maximum hours of operation for the curing oven shall not exceed 8 hr/day or 260 days/year. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Maximum hours of operation for the burnout oven shall not exceed 8 hr/day or 260 days/year. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Emissions from the natural gas-fired curing oven shall not exceed any of the following limits: 0.1 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Emissions from the natural gas-fired burnout oven shall not exceed any of the following limits: 0.071 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.0076 lb-PM<sub>10</sub>/MMBtu, 0.084 lb-CO/MMBtu, or 0.0055 lb-VOC/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Emissions from the spray booth shall not exceed 0.2 lb-PM<sub>10</sub>/day or 50 lb-PM<sub>10</sub>/year. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

14. Powder coating use shall not exceed 320 lb/day or 83,200 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Powder coating operation shall be limited to polyester resin powder coating or other District-approved powder coating materials. [District Rules 2201 and 4603] Federally Enforceable Through Title V Permit
16. Powder coating material shall not contain VOC's. Manufacturer's Material Safety Data Sheets may be used to confirm the VOC content of the powder coating. [District Rules 2201 and 4603] Federally Enforceable Through Title V Permit
17. Permittee shall maintain records of daily and annual hours of operation of the curing and burnout oven. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Permittee shall maintain daily records of quantity and type of powder coating used. [District Rules 1070 and 2201] Federally Enforceable Through Title V Permit
19. VOC content of solvents used shall not exceed any of the following limits: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
20. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4603] Federally Enforceable Through Title V Permit
21. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request [District Rule 2201] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-170-2

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE LPG/PROPANE-FUELED MOBILE AIRCRAFT FIRE TRAINING DEVICE (MAFTD)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The fire training operation shall be fired on LPG gas fuel (propane) only. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The annual LPG gas consumption from this unit shall not exceed 27,800 gallons per year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. LPG gas consumption shall not exceed 600 gallons per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Emissions shall not exceed any of the following limits: 21.45 lb NO<sub>x</sub>/1000 gal, 0.094 lb-SO<sub>x</sub>/1000 gal, 9.9 lb PM<sub>10</sub>/1000 gal, 36.43 lb CO/1000 gal, or 28.62 lb VOC/1000 gal. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The MAFTD shall be equipped with a fuel metering device. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
7. Permittee shall maintain daily and annual records of the amount of LPG used in the MAFTD. The amount of LPG used shall be taken from fuel metering device. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
8. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070 and 2520] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-174-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

158 BHP JOHN DEERE MODEL 4045HF285I TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (STRUCTURE 455A)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.8 g-NOx/bhp-hr, 1.30 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.14 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rule 4702, 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-175-0

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

130 BHP CATERPILLAR MODEL C4.4 TIER 4I CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE  
POWERING AN ELECTRICAL GENERATOR (PRECISION APPROACH RADAR, STRUCTURE 467, RUNWAY 32L)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.54 g-NOx/bhp-hr, 0.15 g-CO/bhp-hr, or 0.004 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.003 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-176-0

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

130 BHP CATERPILLAR MODEL C4.4 TIER 4I CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE  
POWERING AN ELECTRICAL GENERATOR (PRECISION APPROACH RADAR, STRUCTURE 466, RUNWAY 32R)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 17 CCR 93115, and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, 17 CCR 93115, 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.54 g-NOx/bhp-hr, 0.15 g-CO/bhp-hr, or 0.004 g-VOC/bhp-hr. [District Rule 2201, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.003 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 17 CCR 93115, and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-183-0

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

318 BHP (INTERMITTENT) JOHN DEERE MODEL 6068HF485 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 2.47 g-NOx/bhp-hr, 0.45 g-CO/bhp-hr, or 0.08 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-184-0

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

80 BHP (INTERMITTENT) MODEL 4024HF285B JOHN DEERE TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
5. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 3.2 g-NOx/bhp-hr, 0.8 g-CO/bhp-hr, or 0.05 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
11. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
15. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-186-0

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

315 BHP (INTERMITTENT) JOHN DEERE MODEL 6068HF485 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (SERIAL NUMBER PE6068N000932) LOCATED AT SOUTH HANGAR 5

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 2.85 g-NOx/bhp-hr, 2.6 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.15 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
11. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR 60 Subpart III] Federally Enforceable Through Title V Permit
15. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-187-0

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

CONFINED ABRASIVE BLASTING OPERATION WITH A 500 LB PAULI SYSTEMS INC MODEL RAM 35B BLASTING CABINET SERVED BY AN INTEGRAL DUST COLLECTION SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 4102]
2. Emissions from the abrasive blasting operation shall be controlled using a dust collector with filters that achieve at least 99.9% control efficiency for PM10 emissions. The dust collector and filters shall be operated and maintained in accordance with the manufacturers' recommendations. [District Rule 4102]
3. The blasting operations shall be carried out in a manner to prevent any nuisances. [District Rule 4102]
4. Abrasive blasting operations conducted within the blasting cabinet shall not discharge air contaminants into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark or darker than Ringelmann 1 or equivalent to 20% opacity. [17 CCR 92200]
5. All abrasive blasting shall be conducted in accordance with California Code of Regulations Title 17, Subchapter 6, Sections 92000 through 92540. [17 CCR 92000 through 92540]
6. A used certified abrasive shall not be considered certified for reuse unless the abrasive conforms to its original cut-point fineness. [17 CCR 92530]

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-188-0

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

1,193 BHP (INTERMITTENT) MTU MODEL 12V 2000 G85 TB TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 4.43 g-NOx/bhp-hr, 0.45 g-CO/bhp-hr, or 0.23 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.01 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-189-0

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

460 BHP (INTERMITTENT) MTU MODEL 6R1600G80S TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 3.93 g-NOx/bhp-hr, 0.52 g-CO/bhp-hr, or 0.21 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.04 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-190-0

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

197 BHP (INTERMITTENT) MERCEDES-BENZ MODEL OM924LA TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102] Federally Enforceable Through Title V Permit
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 3.43 g-NOx/bhp-hr, 1.42 g-CO/bhp-hr, or 0.18 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.08 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-191-0

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

315 BHP (INTERMITTENT) JOHN DEERE MODEL 6068HFG82 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 2.47 g-NOx/bhp-hr, 0.45 g-CO/bhp-hr, or 0.08 g-VOC/bhp-hr. [District Rule 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
9. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
10. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours per calendar year. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
14. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-193-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

1,195 BHP (INTERMITTENT) KOHLER MODEL KD27V12 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 4.20 g-NOx/bhp-hr, 0.42 g-CO/bhp-hr, or 0.05 g-VOC/bhp-hr. [District Rules 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.04 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours in any rolling 12 month period. [District Rules 2201, 4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-2106-194-1

**EXPIRATION DATE:** 04/30/2016

**EQUIPMENT DESCRIPTION:**

903 BHP (INTERMITTENT) VOLVO MODEL TWD1643GE TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
3. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
5. Emissions from this IC engine shall not exceed any of the following limits: 4.0 g-NOx/bhp-hr, 0.5 g-CO/bhp-hr, or 0.06 g-VOC/bhp-hr. [District Rules 2201 and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed 0.08 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
8. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

These terms and conditions are part of the Facility-wide Permit to Operate.



11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 50 hours in any rolling 12 month period. [District Rules 2201,4102, and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

These terms and conditions are part of the Facility-wide Permit to Operate.

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# ATTACHMENT C

Detailed Summary List of Facility Permits

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**Detailed Facility Report**  
For Facility=2106 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

<b>NAS LEMOORE NAVAL AIR STATION LEMOORE 750 ENTERPRISE AVE LEMOORE, CA 93246-5001</b>	FAC #	<b>C 2106</b>	TYPE:	<b>TitleV</b>	EXPIRE ON:	04/30/2016
	STATUS:	<b>A</b>	TOXIC ID:	<b>40092</b>	AREA:	2 /
	TELEPHONE:	<b>5599984113</b>			INSP. DATE:	02/23

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-2106-1-3	487 bhp	3020-10 D	1	577.00	577.00	A	487 BHP CATERPILLAR MODEL #3406B-D1 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 001, CONTROL TOWER)
C-2106-2-3	749 bhp	3020-10 D	1	577.00	577.00	A	749 BHP CATERPILLAR MODEL #3412 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 003, THE FIELD LIGHTING VAULT)
C-2106-6-3	69 bhp	3020-10 A	1	98.00	98.00	A	69 BHP CUMMINS MODEL #L634T-1710148L DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 461, TACAN SITE)
C-2106-7-3	375 bhp	3020-10 C	1	290.00	290.00	A	375 BHP CUMMINS MODEL #NT855-G4 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 462, TRANSMITTER FACILITY)
C-2106-8-3	135 bhp	3020-10 B	1	143.00	143.00	A	135 BHP CUMMINS MODEL #6BT-5.9-G1 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 464, RECEIVER FACILITY)
C-2106-9-4	749 bhp	3020-10 D	1	577.00	577.00	A	749 BHP CATERPILLAR MODEL #3412 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE (BLDG 468, APPROACH LIGHT VAULT)
C-2106-23-4	> 15.0 MMBtu/hr turbine	3020-02 H	1	1,238.00	1,238.00	A	JET TEST CELL #3 (BLDG 175)
C-2106-25-7	132 bhp total	3020-10 B	1	143.00	143.00	A	TWO 66 HP TELEDYNE-WISCONSIN MODEL #V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 32R)
C-2106-26-6	132 bhp total	3020-10 B	1	143.00	143.00	A	TWO 66 HP TELEDYNE-WISCONSIN MODEL V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 32L)
C-2106-27-6	132 bhp total	3020-10 B	1	143.00	143.00	A	TWO 66 HP TELEDYNE-WISCONSIN MODEL V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 14R)
C-2106-28-6	132 bhp total	3020-10 B	1	143.00	143.00	A	TWO 66 HP TELEDYNE-WISCONSIN MODEL V-465D GASOLINE-FIRED EMERGENCY IC ENGINES POWERING AN ARRESTING GEAR SYSTEM (RUNWAY 14L)
C-2106-39-3	10 hp electric motors	3020-01 A	1	107.00	107.00	A	COATING OPERATION WITH HVLP SPRAY GUN(S) AND DEVILBISS MODEL DLFA (SERIAL # 501) PAINT SPRAY BOOTH WITH DISPOSABLE EXHAUST FILTERS (BLDG 179, GROUND SUPPORT EQUIPMENT MAINTENANCE)
C-2106-69-2	261 hp engine	3020-10 C	1	290.00	290.00	A	261 HP AUXILIARY POWER UNIT (APU) TEST PAD (T-26) (ADJACENT TO BUILDING 175)
C-2106-70-5	> 15.0 MMBtu/hr turbine	3020-02 H	1	1,238.00	1,238.00	A	T-14/T-17 OPEN ENGINE TEST PADS (BLDG 242)
C-2106-74-4	> 15.0 MMBtu/hr turbine	3020-02 H	1	1,238.00	1,238.00	A	JET TEST CELL #4 (BLDG 176)

**Detailed Facility Report**  
For Facility=2106 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-2106-117-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 1, MODULES 1 - 5)
C-2106-118-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 1)
C-2106-119-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 4)
C-2106-120-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 2)
C-2106-121-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 5)
C-2106-122-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 2)
C-2106-123-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 3)
C-2106-124-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 5)
C-2106-125-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 2, MODULE 3)
C-2106-126-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 4)
C-2106-127-6	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUNS AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 5)
C-2106-140-6	Cold cleaner degreaser	3020-06	1	128.00	128.00	A	BATCH LOADED COLD CLEANER DEGREASER, CONSISTING OF ONE CANISTER WITH 9.75 INCH OPEN DIAMETER AND CAPACITY LESS THAN 2.0 GALLONS (BLDG 188 - AIRCRAFT INTERMEDIATE MAINTENANCE DIVISION (AIMD))
C-2106-149-2	10 hp electric motors	3020-01 A	1	107.00	107.00	A	COATING OPERATION WITH MODEL #SPF-24-8-10, HV FLOOR FILTER OPEN FRONT PAINT SPRAY BOOTH WITH 25"W X 8'6"H X 13'2"L OUTSIDE DIMENSIONS (BLDG 188 - AIMD PAINT SHOP)

**Detailed Facility Report**  
For Facility=2106 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-2106-151-5	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 5, MODULES 1 - 3)
C-2106-153-4	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 1)
C-2106-154-4	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 2)
C-2106-155-4	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 3)
C-2106-156-4	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 4, MODULE 4)
C-2106-157-4	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR 3, MODULE 1)
C-2106-162-2	Cold Solvent Degreaser	3020-06	1	128.00	128.00	A	INLAND TECHNOLOGY MODEL TEK JET 4500 COLD SOLVENT DEGREASER #1 (BLDG 188, AIMD 500 TIRE SHOP)
C-2106-163-2	Cold Solvent Degreaser	3020-06	1	128.00	128.00	A	INLAND TECHNOLOGY MODEL TEK JET 4500 COLD SOLVENT DEGREASER #2 (BLDG 188, AIMD 500 TIRE SHOP)
C-2106-165-2	Cold Solvent Degreaser	3020-06	1	128.00	128.00	A	INLAND TECHNOLOGY MODEL TEK JET 4500 COLD SOLVENT DEGREASER #4 (BLDG 179, AIMD 900 DIVISION, GSE)
C-2106-167-2	Miscellaneous	3020-06	1	128.00	128.00	A	SQUADRON AIRCRAFT CORROSION CONTROL AND MAINTENANCE COATING OPERATION WITH HVLP SPRAY GUN(S) AND AN ENCLOSED GUN CLEANER (HANGAR C, BLDG 180)
C-2106-168-2	3.1 MMBtu/hr	3020-02 F	1	731.00	731.00	A	METAL PARTS AND PRODUCTS POWDER COATING OPERATION WITH ELECTROSTATIC SPRAY GUN(S), OPEN FACED POWDER COATING BOOTH WITH PULSE JET CARTRIDGE BAGHOUSE, 1.2 MMBTU/HR NATURAL GAS-FIRED CURING OVEN WITH A 1.2 MMBTU/HR ECLIPSE MODEL 160 AH BURNER, AND 1.9 MMBTU/HR NATURAL GAS-FIRED BURNOUT OVEN WITH A 1.9 MMBTU/HR ECLIPSE MODEL J121A-3 BURNER
C-2106-170-2	2.3 MMBtu/hr	3020-02 E	1	495.00	495.00	A	TRANSPORTABLE LPG/PROPANE-FUELED MOBILE AIRCRAFT FIRE TRAINING DEVICE (MAFTD)
C-2106-174-1	158 bhp IC engine	3020-10 B	1	143.00	143.00	A	158 BHP JOHN DEERE MODEL 4045HF285I TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (STRUCTURE 455A)

**Detailed Facility Report**  
For Facility=2106 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-2106-175-0	130 bhp IC engine	3020-01 D	1	379.00	379.00	A	130 BHP CATERPILLAR MODEL C4.4 TIER 4I CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (PRECISION APPROACH RADAR, STRUCTURE 467, RUNWAY 32L)
C-2106-176-0	130 bhp IC engine	3020-10 B	1	143.00	143.00	A	130 BHP CATERPILLAR MODEL C4.4 TIER 4I CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (PRECISION APPROACH RADAR, STRUCTURE 466, RUNWAY 32R)
C-2106-183-0	318 bhp IC engine	3020-10 C	1	290.00	290.00	A	318 BHP (INTERMITTENT) JOHN DEERE MODEL 6068HF485 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-2106-184-0	80 bhp IC engine	3020-10 A	1	98.00	98.00	A	80 BHP (INTERMITTENT) MODEL 4024HF285B JOHN DEERE TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-2106-186-0	315 bhp diesel-fired IC Engine	3020-10 C	1	290.00	290.00	A	315 BHP (INTERMITTENT) JOHN DEERE MODEL 6068HF485 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (SERIAL NUMBER PE6068N000932) LOCATED AT SOUTH HANGAR 5
C-2106-187-0	57.5 hp	3020-01 C	1	239.00	239.00	A	CONFINED ABRASIVE BLASTING OPERATION WITH A 500 LB PAULI SYSTEMS INC MODEL RAM 35B BLASTING CABINET SERVED BY AN INTEGRAL DUST COLLECTION SYSTEM
C-2106-188-0	1,193 bhp IC Engine	3020-10 F	1	900.00	900.00	A	1,193 BHP (INTERMITTENT) MTU MODEL 12V 2000 G85 TB TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-2106-189-0	460 bhp IC engine	3020-10 D	1	577.00	577.00	A	460 BHP (INTERMITTENT) MTU MODEL 6R1600G80S TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-2106-190-0	197 bhp IC Engine	3020-10 B	1	143.00	143.00	A	197 BHP (INTERMITTENT) MERCEDES-BENZ MODEL OM924LA TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-2106-191-0	315 bhp IC engine	3020-10 C	1	290.00	290.00	A	315 BHP (INTERMITTENT) JOHN DEERE MODEL 6068HFG82 TIER 3 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-2106-193-1	1,195 bhp IC engine	3020-10 F	1	900.00	900.00	A	1,195 BHP (INTERMITTENT) KOHLER MODEL KD27V12 TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
C-2106-194-1	903 bhp IC engine	3020-10 E	1	723.00	723.00	A	903 BHP (INTERMITTENT) VOLVO MODEL TWD1643GE TIER 2 CERTIFIED DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

Number of Facilities Reported: 1