



JUN 15 2018

Mr. Richard Pavich  
California State Prison - Corcoran  
PO Box 8800  
Corcoran, CA 93212

**Re: Notice of Preliminary Decision – Title V Permit Renewal**  
**Facility Number: C-214**  
**Project Number: C-1170132**

Dear Mr. Pavich:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for California State Prison - Corcoran at 4001 King Ave, Corcoran, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. 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,



Arnaud Marjollet  
Director of Permit Services

Enclosures

cc: Tung Le, CARB (w/enclosure) via email  
cc: Gerardo C. Rios, EPA (w/enclosure) via email

Seyed Sadredin  
Executive Director/Air Pollution Control Officer

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**SAN JOAQUIN VALLEY  
AIR POLLUTION CONTROL DISTRICT**

Proposed Title V Permit Renewal Evaluation  
California State Prison - Corcoran  
C-214

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**TITLE V PERMIT RENEWAL EVALUATION**  
**State Prison Facility**

**Engineer:** Ramon Norman  
**Date:** June 12, 2018

**Facility Number:** C-214  
**Facility Name:** California State Prison - Corcoran  
**Mailing Address:** PO Box 8800  
4001 King Ave  
Corcoran, CA 93212

**Contact Name:** Richard Pavich      **Email:** Richard.Pavich@CDCR.CA.gov  
**Phone:** (559) 992-8800 ext. 6241

**Responsible Official:** Marshall Fechner  
**Title:** Correctional Plant Manager II

**Project # :** C-1170132  
**Deemed Complete:** February 9, 2017

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**I. PROPOSAL**

California State Prison - Corcoran was issued a Title V permit on October 17, 2012. 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 most recent renewal of the 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**

California State Prison - Corcoran is located at 4001 King Ave, Corcoran, in Kings County, California.

### **III. EQUIPMENT LISTING**

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

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

The applicant does not propose to use any model general permit templates.

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

The applicant is not requesting any model general permit templates. Therefore, all federally enforceable conditions in this current Title V permit will be subject to EPA and public review.

### **VI. FEDERALLY ENFORCEABLE REQUIREMENTS**

#### **A. Rules Updated or Evaluated**

- District Rule 2020 - Exemptions (amended August 18, 2011 (SIP version of the Rule) ⇒ amended December 18, 2014)
- District Rule 2201 - New and Modified Stationary Source Review Rule (amended April 21, 2011 (SIP version of the Rule) ⇒ amended February 18, 2016)
- District Rule 2520 - Federally Mandated Operating Permits (amended June 21, 2001)
- District Rule 4621 - Gasoline Transfer into Stationary Storage Containers, Delivery Vessels, and Bulk Plants (amended December 19, 2013)
- District Rule 4622 - Gasoline Transfer into Motor Vehicle Fuel Tanks (amended December 19, 2013)
- District Rule 4702 - Internal Combustion Engines (amended November 14, 2013)

- 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (several sections last updated July 7, 2016)
- 40 CFR Part 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (last amended January 30, 2013)
- 40 CFR Part 64 - Compliance Assurance Monitoring (October 22, 1997)
- 40 CFR Part 82, Subpart B - Servicing of Motor Vehicle Air Conditioners (amended August 11, 2011 ⇒ amended June 25, 2013)
- 40 CFR Part 82, Subpart F - Recycling and Emissions Reduction (amended November 18, 2016 ⇒ amended December 1, 2016)

#### **B. Rules Removed**

No federally enforceable rules were removed.

#### **C. Rules Added**

- District Rule 2410 - Prevention of Significant Deterioration (adopted June 16, 2011 and became effective November 26, 2012)

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

- District Rule 1080 - Stack Monitoring (amended December 17, 1992)
- District Rule 1081 - Source Sampling (amended December 16, 1993)
- District Rule 1100 - Equipment Breakdown (amended December 17, 1992) (Non SIP replacement for Kings County Rule 111)
- 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 2070 - Standards for Granting Applications (amended December 17, 1992)

- District Rule 2080 - Conditional Approval (amended December 17, 1992)
- District Rule 4101 - Visible Emissions (amended February 17, 2005)
- District Rule 4305 - Architectural Coatings (amended December 17, 2009)
- District Rule 4301 - Fuel Burning Equipment (amended December 17, 1992)
- District Rule 4305 - Boilers, Steam Generators, and Process Heaters – Phase 2 (amended August 21, 2003)
- District Rule 4306 - Boilers, Steam Generators, and Process Heaters – Phase 3 (amended October 16, 2008)
- District Rule 4320 - Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater than 5.0 MMBtu/hr (adopted October 16, 2008)
- District Rule 4351 - Boilers, Steam Generators, and Process Heaters – Phase 1 (amended August 21, 2003) (Pursuant to Sections 2.0 and 3.11, this rule does not apply to the facility because it does not have a potential to emit 50 tons or more per year of NO<sub>x</sub>)
- District Rule 4601 - Architectural Coatings (amended December 17, 2009)
- District Rule 4603 - Surface Coating of Metal Parts and Products, Plastic Parts and Products, and Pleasure Crafts (amended September 17, 2009)
- District Rule 4606 - Wood Products and Flat Wood Paneling Products Coating Operations (amended October 16, 2008)
- District Rule 4701 - Internal Combustion Engines – Phase 1 (amended August 21, 2003)
- District Rule 4801 - Sulfur Compounds (amended December 17, 1992) (Non SIP replacement for Kings County Rule 407)
- District Rule 8011 - Fugitive PM10 Control: General Requirements (amended August 19, 2004)
- District Rule 8021 - Fugitive PM10 Control: Construction, Demolition, Excavation, and Extraction Activities (amended August 19, 2004)

- District Rule 8031 - Fugitive PM10 Control: Handling and Storage of Bulk Materials (amended August 19, 2004)
- District Rule 8041 - Fugitive PM10 Control: Carryout and Trackout (amended August 19, 2004)
- District Rule 8051 - Fugitive PM10 Control: Open Areas (amended August 19, 2004)
- District Rule 8061 - Fugitive PM10 Control: Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071 - Fugitive PM10 Control: Unpaved Vehicle/Equipment Areas (amended September 16, 2004)
- 40 CFR Part 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (last amended February 16, 2012) (Note: The requirements of this Subpart do not apply to the units at the facility because they do not combust coal, coal refuse, oil, wood, a mixture of these fuels, or a mixture of these fuels with any other fuels.)
- 40 CFR Part 61 Subpart M - National Emission Standard for Asbestos (last amended July 20, 2004)
- 40 CFR Part 68 - Chemical Accident Prevention Provisions (last amended March 13, 2000)

## 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

- No rules that are not federally enforceable were added.

## B. Rules Not Updated

District Rule 1070 - Inspections (amended December 17, 1992)  
(Replacement for Kings County Rule 107)

The purpose of this rule is to explain the District's authority in determining compliance with the requirements of District rules and regulations.

Although this rule is not federally enforceable itself, the applicable provisions of the rule are required by other federally enforceable regulations; therefore, the conditions that ensure compliance with this rule will be federally enforceable as a result.

C-214-3-5: Woodworking Operation including: (1) Belt Sander, (1) Planer, (1) Table Saw, (1) Compound Miter Saw, (1) Band Saw, Each Served by a Kufo Model UFO-101C Dust Collector (Located in Building 311a)

- Condition 15 of the proposed requirements for this permit unit ensures compliance with this rule.

C-214-4-8: 43 MMBtu/hr Cleaver Brooks Model #D-60E (#1) Natural Gas-Fired Boiler with Fuel Oil #2 as Back-Up Fuel, a Cleaver Brooks Model NTS420LGS-09S-1P Low NO<sub>x</sub> Burner, and Flue Gas Recirculation (FGR) System

- Condition 33 of the proposed requirements for this permit unit ensures compliance with this rule.

C-214-5-8: 27 MMBtu/hr Cleaver Brooks Model D42 (#2) Natural Gas-Fired Boiler with Fuel Oil #2 as Back-Up Fuel, a Cleaver Brooks Model NTS294LGS-09S-1P Low NO<sub>x</sub> Burner, and Flue Gas Recirculation (FGR) System

- Condition 33 of the proposed requirements for this permit unit ensures compliance with this rule.

C-214-15-4: Woodworking Operation including: (2) Belt Sanders, (1) Planer, (1) Lathe, (1) Panel Saw, (1) Jointer, (1) Router, (1) Table Saw, and (1) Radial Arm Saw All Served by a 7,000 cfm Sternvent Model CYH 3630-76 Dust Collector with a 36" Diameter Cyclone

- Condition 7 of the proposed requirements for this permit unit ensures compliance with this rule.



C-214-32-7: 8.1 MMBtu/hr Clayton Industries Model SLG-204-2-LNG Natural Gas-Fired Boiler with a Low NO<sub>x</sub> Burner

- Condition 17 of the proposed requirements for this permit unit ensures compliance with this rule.

C-214-47-1: Metal Cutting Operation with Controlled Automation Model Plasmax 6 x 12 CNC Cutting System Equipped with a 19.7 kVa Power Supply and Model HPR130XD Plasma Arc Cutting Torch Served by a Camfil Farr Model GS12 Dust Collector

- Condition 18 of the proposed requirements for this permit unit ensures compliance with this rule.

District Rule 2040 - Applications (amended December 17, 1992 ⇒ removed from SIP December 16, 2004)

C-214-0-3: Facility-Wide Requirements

- Condition 7 of the draft facility-wide requirements C-214-0-3 is based on the rule listed above and is not Federally Enforceable through Title V.

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

C-214-0-3: Facility-Wide Requirements

- Condition 40 of the draft facility-wide requirements C-214-0-3 is based on the rule listed above and is not Federally Enforceable through Title V.

California Code of Regulations (CCR) Title 17, Sections 93115 – Airborne Toxic Control Measure for Stationary Compression Ignition Engines (California Air Resources Board (ARB) regulation)

The purpose of this regulation is to reduce diesel particulate matter (PM) and criteria pollutant emissions from stationary diesel-fueled compression ignition (CI) engines.

Although this regulation is not federally enforceable itself, the applicable provisions of the regulation are generally required by other federally enforceable regulations; therefore, the conditions that ensure compliance with this regulation will be federally enforceable as a result.

C-214-1-4: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)

- Conditions 4-5, 7, 9-11, and 18 of the proposed requirements for this permit unit ensure compliance with this regulation.

C-214-9-4: 1,490 bhp Cummins Model KTA-50-G1 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 210)

- Conditions 5-6, 8, 10-13, and 20 of the proposed requirements for this permit unit ensure compliance with this regulation.

C-214-10-4: 1,490 bhp Cummins Model KTA-50-G1 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 210)

- Conditions 5-6, 8, 10-13, and 20 of the proposed requirements for this permit unit ensure compliance with this regulation.

C-214-11-4: 1,490 bhp Cummins Model KTA-50-G1 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 201)

- Conditions 5-6, 8, 10-13, and 20 of the proposed requirements for this permit unit ensure compliance with this regulation.

C-214-12-4: 1,593 bhp Caterpillar Model 3512 DITA Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)

- Conditions 5-6, 8, 10-13, and 20 of the proposed requirements for this permit unit ensure compliance with this regulation.

C-214-13-4: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 212)

- Conditions 5-6, 8, 10-13, and 20 of the proposed requirements for this permit unit ensure compliance with this regulation.

## 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 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.

District Rule 2020 was last amended on December 18, 2014. The primary purpose of the amendments was the following: clarify alignment of District Rule 2020 with the California Air Resources Board's (ARB) Portable Equipment Registration Program (PERP); to exempt certain oil field tanks with insignificant emissions; and to update standardized testing provisions. Prior to the December 18, 2014 amendments, District Rule 2020 was previously amended on August 18, 2011. On September 17, 2014, EPA approved the August 18, 2011 version of District Rule 2020 for inclusion into the SIP (79 FR 55637).

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

#### C-214-0-3: Facility-Wide Requirements

- Condition 4 of the requirements of the proposed facility-wide permit assures compliance with this rule.

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

District Rule 2201 applies to new and modified sources that require a District permit. District Rule 2201 has been amended since the most recent renewal of the facility's Title V permit. However, the requirements of this rule are only triggered at the time the source undergoes a modification. This Title V permit renewal does not constitute a modification. Therefore, the updated requirements of this rule are not applicable at this time. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit.

Administrative Corrections to Rule 2201 Conditions

The current requirements for the facility include conditions stating, “*Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]*” for the following permit units: C-214-1-3 (Condition 2), C-214-3-4 (Condition 1), C-214-9-3 (Condition 1), C-214-10-3 (Condition 1), C-214-11-3 (Condition 1), C-214-12-3 (Condition 1), C-214-13-3 (Condition 1), C-214-15-3 (Condition 1), C-214-16-6 (Condition 5), C-214-45-3 (Condition 6), and C-214-46-2 (Condition 1).

In addition, the current requirements for the facility include conditions stating, “*Facility C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]*” for the following permit units: C-214-4-7 (Condition 1) and C-214-5-7 (Condition 1).

Facility C-956 is a dairy operated by the Prison Industry Authority – Corcoran at the same location as Facility C-214 (California State Prison – Corcoran). The California Prison Industry is a business within the California Department of Corrections and Rehabilitation that provides productive work assignments for prisoners within the California Department of Corrections and Rehabilitation institutions. As discussed below, the information available indicates that Facility C-956 is also part of the stationary source as Facilities C-214 and C-4352.

District Rule 2201, Section 3.39 provides the following definition for a Stationary Source:

*3.39 Stationary Source: any building, structure, facility, or installation which emits or may emit any affected pollutant directly or as a fugitive emission. Building, structure, facility or installation includes all pollutant emitting activities including emissions units which:*

*3.39.1 Are under the same or common ownership or operation, or which are owned or operated by entities which are under common control; and*

*3.39.2 Belong to the same industrial grouping either by virtue of falling within the same two-digit standard industrial classification code or by virtue of being part of a common industrial process, manufacturing process, or connected process involving a common raw material; and*

*3.39.3 Are located on one or more contiguous or adjacent properties; or*

*3.39.4 Are located on one or more properties wholly within either the Western Kern County Oil Fields or the Central Kern County Oil Fields or Fresno County Oil Fields and are used for the production of light oil, heavy oil or gas. Notwithstanding the provisions of this definition, light*

*oil production, heavy oil production, and gas production shall constitute separate Stationary Sources.*

Facilities C-214 and C-956 are under the common control of the California Department of Corrections and Rehabilitation. The facilities are classified under the same Standard Industrial Classification (SIC) code – 9223: Correction Institutions, which includes prisons and prison farms. Facilities C-214 and C-956 are also both located at the same site. Therefore, the information available indicates that Facility C-956 is part of the stationary source as Facilities C-214 and C-4352 for purposes of District Rule 2201.

Because Facilities C-214, C-956, and C-4352 are considered the same stationary source, the proposed conditions for the following permit units, which previously only referenced Facilities C-214 and C-4352, have been administratively corrected to include reference to Facility C-956: C-214-1-4 (Condition 1), C-214-3-5 (Condition 1), C-214-9-4 (Condition 1), C-214-10-4 (Condition 1), C-214-11-4 (Condition 1), C-214-12-4 (Condition 1), C-214-13-4 (Condition 1), C-214-15-4 (Condition 1), C-214-16-7 (Condition 5), C-214-45-4 (Condition 6), and C-214-46-3 (Condition 1). In addition, the operators of Facility C-956 will be informed of the requirement to submit a Title V permit application for the facility and comply with all applicable requirements that result from being subject to permitting under Title V.

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

District Rule 2410 became effective after this Title V permit was issued. 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.

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

The purpose of this rule is to provide an administrative mechanism for the following: issuing operating permits for new and modified sources of air contaminants in accordance with requirements of 40 CFR Part 70; issuing renewed operating permits for sources of air contaminants in accordance with requirements of 40 CFR Part 70; revising, reopening, revoking, and terminating operating permits for sources of air contaminants in accordance with requirements of 40 CFR Part 70; incorporating requirements authorized by preconstruction permits issued under District Rule 2201 (New and Modified Stationary Source Review) in a Part 70 permit as administrative amendments, provided that such permits meet the necessary procedural and compliance requirements.

District Rule 2520 has not been amended since this facility's Title V permit was last renewed; however, greenhouse gas emissions will be addressed under Rule 2520 during this renewal.

#### Greenhouse Gas Requirements

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

The following permit requirements were added and/or revised to ensure compliance with this rule:

C-214-3-5: Woodworking Operation including: (1) Belt Sander, (1) Planer, (1) Table Saw, (1) Compound Miter Saw, (1) Band Saw, Each Served by a Kufo Model UFO-101C Dust Collector (Located in Building 311a)

- Conditions 13-14 of the proposed requirements for this permit unit were added. These conditions require that visual inspections of dust collectors be performed annually, that corrective action be taken if visible emissions are observed and that records of dust collector inspections and repairs be maintained.

C-214-15-4: Woodworking Operation including: (2) Belt Sanders, (1) Planer, (1) Lathe, (1) Panel Saw, (1) Jointer, (1) Router, (1) Table Saw, and (1) Radial Arm Saw All Served by a 7,000 cfm Sternvent Model CYH 3630-76 Dust Collector with a 36" Diameter Cyclone

- Condition 6 of the requirements for this permit unit was revised. The proposed requirements for this permit unit now require that records of dust collector maintenance and repairs be maintained, in addition to the previously required records of visible emission inspections.

C-214-16-7: Wood and Metal Parts Coating Operation Using Brushes and Rollers (Building 309c)

- Conditions 23-24 of the proposed requirements for this permit unit were added. These conditions require that monthly records of the VOC emissions from the unit be maintained and specify how the VOC emissions must be calculated.

C-214-45-4: Metal Parts and Products Coating Operation with HVLP Spray Gun, Paint Spray Booth with Exhaust Filters, Spray Gun Cleaner, and 1.75 MMBtu/hr Drying Oven

- Conditions 20-21 of the proposed requirements for this permit unit were added. These conditions require that monthly records of the VOC emissions from the unit be maintained and specify how the VOC emissions must be calculated.

C-214-46-3: Gasoline Dispensing Operation with One 12,000 Gallon Split (8,000 Gallon Gasoline/4,000 Gallon Diesel) Fireguard Aboveground Storage Tank Served by Morrison Brothers EVR Phase I Vapor Recovery System (VR-402-B), Standing Loss Control (VR-301-E), and 1 Fueling Point with 1 Gasoline Dispensing Nozzle Served by Balance Phase II Vapor Recovery System (G-70-162-A)

- Conditions 29-30 of the proposed requirements for this permit unit were added. These conditions require that monthly records of the VOC emissions from the unit be maintained and specify how the VOC emissions must be calculated.

C-214-47-1: Metal Cutting Operation with Controlled Automation Model Plasmax 6 x 12 CNC Cutting System Equipped with a 19.7 kVa Power Supply and Model HPR130XD Plasma Arc Cutting Torch Served by a Camfil Farr Model GS12 Dust Collector

- Condition 16-17 of the proposed requirements for this permit unit were added. This conditions require that visual inspections of dust collectors be performed annually, that corrective action be taken if visible emissions are observed and that records of dust collector inspections and repairs be maintained.

**E. District Rule 4621 - Gasoline Transfer into Stationary Storage Containers, Delivery Vessels, and Bulk Plants**

The purpose of this rule is to limit VOC emissions from stationary storage containers, delivery vessels, and bulk plants and to provide the administrative requirements for determining compliance with this rule.

Pursuant to Section 2.0 – Applicability, this rule applies to storage containers located at bulk plants with capacities greater than 250 gallons and less than 19,800 gallons; to other stationary storage containers with capacities greater than 250 gallons; and to those storage containers that are not subject to the

control requirements of Rule 4623 (Storage of Organic Liquids) Section 5.0. The rule also applies to gasoline delivery vessels.

District Rule 4621 was last amended on December 19, 2013, which was subsequent to issuance of the initial Title V permit to this facility. This is the only amendment to this rule since issuance of the initial Title V permit to the facility. The purpose of the amendment was to add language to the rule stating that California ARB certification is not required for aviation gasoline bulk loading operations because ARB does not certify these operations. The facility does not include any aviation gasoline bulk loading operations; therefore, these amendments have no effect on the requirements included in the Title V permit.

Section 5.1 requires that loading and vapor collection equipment shall be installed, maintained, and operated such that it is leak-free, with no excess organic liquid drainage at disconnect.

Section 5.2.1.1 prohibits the transfer of gasoline from any delivery vessel into any stationary storage container subject to requirements of this rule unless such container, except those used for aviation gasoline, is equipped with an ARB certified permanent submerged fill pipe and utilizes an ARB certified Phase I vapor recovery system that is maintained and operated according to manufacturer specifications and the applicable ARB Executive Order.

The gasoline dispensing operation at this facility is equipped with an ARB certified Phase I vapor recovery system (ARB Executive Order VR-402-B). Conditions are included in the current and proposed permit requiring proper maintenance and operation of the system in accordance with the ARB executive order.

Section 5.2.1.2 requires containers used for aviation gasoline to be equipped with a permanent submerged fill pipe and a Phase I vapor recovery system that is certified (or was previously certified) to meet a minimum volumetric control of 95%. Aviation fuel is not stored in the tank at this facility; therefore, this section does not apply.

Section 5.3 specifies requirements for underground storage containers. The gasoline dispensing operation at this facility includes an aboveground storage tank and does not include any underground storage tanks; therefore, this section does not apply.

Section 5.4.1 requires all aboveground storage containers to be constructed and maintained in a leak-free condition. A condition is included in the current



and proposed permit requirements stipulating that "storage container(s) shall be installed, maintained, and operated such that they are leak-free."

Section 5.4.2 requires that all aboveground storage containers that contain gasoline shall be equipped with an ARB certified pressure vacuum relief valve set  $3.0\pm 0.5$  inches water column pressure relief and  $8.0\pm 2.0$  inches water column vacuum relief, unless otherwise specified in the applicable ARB Executive Order, or such setting will exceed the vessel's maximum pressure rating.

The gasoline dispensing operation at this facility is equipped with an ARB certified Phase I vapor recovery system (ARB Executive Order VR-402-B). Conditions are included in the current and proposed permit requiring proper maintenance and operation of the system in accordance with the ARB executive order.

Section 5.4.3 requires all aboveground storage containers that contain aviation gasoline shall be equipped with pressure relief valves set at eight (8) ounces per square inch, unless otherwise specified in the applicable ARB Executive Order or such setting will exceed the vessel's maximum pressure rating. Aviation fuel is not stored in the tank at this facility; therefore, this section does not apply.

Section 5.4.4 requires operators of an aboveground storage container not located at a bulk plant shall conduct and pass the performance test specified in Section 6.4.8 to determine compliance at least once every 36 months, (no more than 30 days before or after the required performance test date) unless otherwise required under ARB Executive Order.

The current and proposed permit conditions require performance of a Static Leak Test "Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Tanks" in accordance with the ARB Executive Order specified in the permit for the Phase I Vapor Recovery System at least once every 12 months.

Section 5.5 specifies the minimum frequency and requirements for testing of Phase I vapor recovery systems. These requirements are included as conditions in the current and proposed permit requirements.

Section 5.6 specifies requirements for bulk plants and loading racks at bulk plants. The facility does not include any bulk plants or bulk plant loading racks; therefore, this section does not apply.

Section 5.7 specifies requirements for gasoline delivery vessels.

Section 5.7.1 requires all delivery vessels shall have an ARB certified vapor recovery system for cargo containers and that cargo container vapor recovery systems shall be maintained and tested in accordance with manufacturer specifications and any applicable ARB Executive Orders.

Section 5.7.2 prohibits the operation of a delivery vessel unless valid State of California decals which attest to the vapor integrity of the container are displayed.

The current and proposed permit conditions require that no gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container.

Section 5.7.3 requires that no person shall store gasoline in, otherwise use, or operate any gasoline delivery vessel unless such vessel is designed and maintained to be leak-free. Any delivery vessel into which gasoline vapors have been transferred shall be filled only at loading racks that are equipped with an ARB certified vapor recovery system. This section does not apply to the stationary gasoline dispensing operation at the facility.

Section 5.7.5 requires that gasoline vapors shall not be purged into the atmosphere.

Section 6.1 specifies recordkeeping requirements.

Section 6.1.1 requires that all data necessary to demonstrate qualifications for the exemptions allowed in this rule shall be maintained on the premise at all times and shall be submitted for District, ARB, or EPA review upon request. Such records shall include exemption status and volume delivered to each stationary storage container serviced.

Sections 6.1.2 and 6.1.3 specify recordkeeping requirements bulk plants and loading racks. These requirements are not applicable to the gasoline dispensing operation at the facility.

Section 6.1.4 requires all records needed to demonstrate compliance with the requirements of this rule shall be retained on the premises for a minimum of five years and made available on site during normal business hours to the APCO, ARB, or EPA, and submitted to the APCO, ARB, or EPA upon request.

Section 6.2.1 requires that operators shall conduct all performance tests required by ARB Executive Order and facility installation and operations manual as per the frequency outline therein or as designated by the APCO.

Section 6.2.4 requires that operators shall notify the District at least seven (7) days prior to any performance testing.

Section 6.2.5 requires that operators shall submit all performance test results to the District within 30 days of test completion.

These testing requirements are included as conditions in the current and proposed permit requirements.

Section 6.4 specifies the test methods to demonstrate compliance with the rule. The required test methods are included in the current and proposed permit requirements.

C-214-46-3: Gasoline Dispensing Operation with One 12,000 Gallon Split (8,000 Gallon Gasoline/4,000 Gallon Diesel) Fireguard Aboveground Storage Tank Served by Morrison Brothers EVR Phase I Vapor Recovery System (VR-402-B), Standing Loss Control (VR-301-E), and 1 Fueling Point with 1 Gasoline Dispensing Nozzle Served by Balance Phase II Vapor Recovery System (G-70-162-A)

- Conditions 5, 7-10, 14-15, 18-19, 21-24, 28, and 31 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

#### **F. District Rule 4622 - Gasoline Transfer into Motor Vehicle Fuel Tanks**

The purpose of this rule is to limit emissions of gasoline vapors from the transfer of gasoline into motor vehicle fuel tanks.

This rule applies to any gasoline storage and dispensing facility at which gasoline is transferred into motor vehicle fuel tanks except as provided in Section 4.0 (Exemptions).

District Rule 4622 was last amended on December 19, 2013, which was subsequent to issuance of the initial Title V permit to this facility. This is the only amendment to this rule since issuance of the initial Title V permit to the facility. The purpose of the amendment was to implement a recommendation from EPA and the California ARB to eliminate the requirement for Phase II (Stage II) vapor recovery systems for specific vehicle fleets in which all of the vehicles are equipped with Onboard Refueling Vapor Recovery (ORVR)

systems because the ORVR systems essentially perform the same function as the Phase II vapor recovery systems. The facility has not indicated that all of their vehicles are equipped with ORVR; therefore, these amendments have no effect on the requirements included in the Title V permit.

Section 5.1 requires that a person shall not transfer or permit the transfer of gasoline from any stationary storage container, or from any mobile fueler with a capacity greater than 120 gallons, into a motor vehicle fuel tank with a capacity greater than 5 gallons, unless the gasoline dispensing unit used to transfer the gasoline is equipped with and has in operation an ARB certified Phase II vapor recovery system.

Section 5.1.1 requires all ARB certified Phase II vapor recovery systems shall be maintained according to ARB certifications and the manufacturer specifications applicable to the system.

Section 5.1.2 requires all ARB certified Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method in Section 6.5.4.

The gasoline dispensing operation at this facility is equipped with an ARB certified Phase II vapor recovery system (ARB Executive Order G-70-162-A). Conditions are included in the current and proposed permit requiring proper maintenance and operation of the system in accordance with the ARB executive order, and that the Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined by EPA Method 21 as specified in the permit.

Section 5.2.1 requires any gasoline dispensing system subject to this rule shall comply with the provisions of this rule at the time of installation.

Section 5.2.2 requires operators shall have all underground storage container installations and all underground piping configurations inspected by the APCO prior to backfilling.

Sections 5.2.3 and 5.2.4 specify requirements and necessary certifications for contractors that install and maintain the vapor recovery system. This section is applicable to the contractors who install and maintain the vapor recovery system, rather than to the facility itself.

Section 5.2.5 requires that any gasoline dispensing operation which has installed and obtained a permit to operate an ARB certified Phase II vapor recovery system shall continue to use such system and shall maintain the

system and all of its components in good repair in order that such system can continue to comply with the certification recovery efficiency.

The gasoline dispensing operation at this facility is equipped with an ARB certified Phase II vapor recovery system (ARB Executive Order G-70-162-A). Conditions are included in the current and proposed permit requiring proper maintenance and operation of the system in accordance with the ARB executive order.

Section 5.2.6 requires that any ARB certified Phase II vapor recovery system that has been installed shall not be removed regardless of the amount of gasoline dispensed or how the gasoline is delivered to the operation, except for vehicle fleets where 100 percent of the vehicles are equipped with onboard refueling vapor recovery (ORVR) systems or for installation of a new ARB certified Phase II vapor recovery system.

Section 5.3 specifies requirements for periodic maintenance inspections of the ARB certified Phase II vapor recovery system to ensure that components of the vapor recovery system are in proper operating condition. The frequency of inspections shall be based on the operation's largest monthly gasoline throughput from the previous calendar year. The frequency of vapor path inspections shall be based on the amount of gasoline dispensed by the operation in a calendar month.

Section 5.3.4 specifies the minimum requirements for what must be verified the periodic inspections.

The frequency and minimum requirements for periodic maintenance inspections of the ARB certified Phase II vapor recovery system are included as conditions in the current and proposed permit requirements.

Section 5.4.1 requires that no person shall operate any ARB certified Phase II vapor recovery system or any portion thereof that has a major defect, until: the defect has been repaired, replaced, or adjusted as necessary to correct the defect; the District has been notified, and the District has re-inspected the system or authorized the system for use; and all major defects, after repair, are duly entered into the Operations and Maintenance (O&M) manual.

These maintenance and repair requirements are included as conditions in the current and proposed permit requirements.

Section 5.4.2 requires that upon identification of any major defect, the owner or operator shall tag "Out-of-Order" all dispensing equipment for which vapor recovery has been impaired and that the tagged equipment shall be rendered

inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary.

These requirements for tagging and repair of major defects are included as conditions in the current and proposed permit requirements.

Section 5.4.5 specifies requirements for posting operating instructions of ARB certified Phase II vapor recovery systems at retail gasoline operations. The gasoline dispensing operation at the facility is not a retail gasoline operation; therefore, this section does not apply.

Section 5.6 prohibits topping off of motor vehicle fuel tanks. This requirement applies to those filling motor vehicle gasoline tanks rather than the gasoline dispensing operation itself.

Section 5.7 requires that each retail gasoline outlet shall utilize hold-open latches on all gasoline dispensing nozzles.

Pursuant to Section 5.8, the requirements of Section 5.7 shall not apply to operations where the use of hold-open latches is prohibited by law or the local fire control authority.

The gasoline dispensing operation at the facility is not a retail gasoline operation; therefore, Section 5.7 and 5.8 do not apply.

Section 5.9 requires that no owner or operator shall tamper with, or permit tampering with, the system in a manner that would impair the operation or effectiveness of the system.

Section 5.10 requires all liquid removal devices required by ARB Executive Order shall be maintained to achieve a minimum liquid removal rate of five milliliters per gallon. This standard shall apply at dispensing rates exceeding five gallons per minute, unless a higher removal rate is specified in the applicable Executive Order.

Conditions are included in the current and proposed permit requiring proper maintenance and operation of the system in accordance with the ARB executive order, and that the Phase I and Phase II vapor recovery systems.

Section 5.11 specifies requirements for the registration of mobile fuelers. These requirements do not apply to the gasoline dispensing operation at the facility.

Section 5.12 requires that liquid condensate traps shall be used, if necessary, to keep the vapor return piping clear of any liquid blockage from the remote dispenser to the aboveground storage tank or when it is not possible to achieve the necessary slope from the dispenser to the underground storage tank.

Section 5.13 specifies requirements for In-Station Diagnostic (ISD) systems. The gasoline dispensing operation at the facility is not equipped with ISD; therefore, the requirements of this section do not apply.

Section 6.1 specifies recordkeeping and reporting requirements for operations that are exempt from the rule. The gasoline dispensing operation at the facility is subject to this rule; therefore, the requirements of this section do not apply.

Section 6.2.1 requires that operators shall retain the test result verification that each ARB certified Phase II vapor recovery system meets or exceeds the requirements of the tests specified in Section 6.5. These verifications shall be maintained for at least five years.

The requirement to retain test results of the ARB certified Phase II vapor recovery system are included as conditions in the current and proposed permit requirements.

Section 6.2.2 requires that a person who performs repairs on any ARB certified Phase I or Phase II vapor recovery system shall provide to the owner or operator a repair log, which contains specific information about the date and repairs performed. The owner or operator shall maintain on the premises for at least five years.

The requirement to maintain a log on the premises of any repairs made to the certified Phase I or Phase II vapor recovery system is included as a condition in the current and proposed permit requirements.

Section 6.2.3 requires each operator who is required to perform periodic maintenance inspections under Section 5.3 shall maintain monthly gasoline throughput records on the premises for a minimum of five years, make them available on site during normal business hours to the APCO, ARB, or EPA, and submit them to the APCO, ARB, or EPA upon request.

The requirement to maintain monthly and annual gasoline throughput records and make them available upon request is included as conditions in the current and proposed permit requirements.

Section 6.3 specifies recordkeeping requirements for the Operations & Maintenance (O&M) manual.

The current and proposed permit requirements include conditions requiring that an O&M manual be maintained, all inspections shall be documented within the O & M manual, that all major defects and repairs be recorded in the O&M manual, and that the O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request.

Section 6.4.1 requires that operators shall comply with the ARB certified Phase II vapor recovery system performance tests specified in Sections 6.4.1.1 through 6.4.1.4 and shall conduct all applicable performance tests at start up and thereafter (no more than 30 days before or after the required compliance testing date) as required by the applicable ARB Executive Order and installation and operation manuals.

Section 6.4.1.1 requires a Static Leak Test of the ARB certified Phase II vapor recovery system shall be conducted at least once every twelve months.

The current and proposed permit conditions require performance of a Static Leak Test "Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Tanks" in accordance with the ARB Executive Order specified in the permit for the Phase I Vapor Recovery System at least once every 12 months.

Section 6.4.1.2 requires that a Dynamic Back-Pressure Test of the ARB certified Phase II vapor recovery system shall be conducted at least once every five years except for those aboveground storage tanks that have integral dispensers (non-remote), unless otherwise required under the applicable ARB Executive Order.

The gasoline dispensing operation at this facility is an aboveground storage tank with an integral dispenser; therefore, this Section does not apply.

Section 6.4.1.3 requires that for ARB certified Phase II vapor recovery systems with bellowsless nozzles, an Air-to-Liquid Volume Ratio Test or a Vapor-to-Liquid Ratio Test, as applicable, shall be conducted at least once every six months.

Section 6.4.1.4 requires that for ARB certified Phase II vapor recovery systems with a liquid removal device required by ARB Executive Orders, a Liquid Removal Test shall be conducted whenever the liquid in the vapor path



exceeds 100 ml of liquid, or as required by the applicable ARB Executive Order.

The current and proposed permit conditions require that for certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6C Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid, or as required by the applicable ARB Executive Order.

Section 6.4.2 requires that the person responsible for conducting the tests specified in Section 6.4 shall use calibrated equipment meeting the calibration range and calibration intervals specified by the manufacturer, ARB Executive Order, or ARB test procedure.

Section 6.4.3 requires persons responsible for conducting the tests specified in Section 6.5 shall be in full compliance with all provisions of Rule 1177 (Gasoline Dispensing Facility Tester Certification).

The current and proposed permit conditions require a person conducting testing of, or repairs to, the certified vapor recovery system shall be in compliance with District Rule 1177.

Section 6.4.4 requires each gasoline dispensing operation shall notify the District at least seven days prior to any performance testing.

The current and proposed permit conditions require the permittee to notify the District at least seven days prior to each performance test.

Section 6.4.5 requires each ARB certified Phase II vapor recovery system shall be tested within 60 days of completion of installation or modification.

These testing requirements are included as conditions in the current and proposed permit requirements.

Section 6.5 specifies the test methods to demonstrate compliance with the rule. The required test methods are included in the current and proposed permit requirements.

C-214-46-3: Gasoline Dispensing Operation with One 12,000 Gallon Split (8,000 Gallon Gasoline/4,000 Gallon Diesel) Fireguard Aboveground Storage Tank Served by Morrison Brothers EVR Phase I Vapor Recovery System (VR-402-B), Standing Loss Control (VR-301-E), and 1 Fueling Point with 1 Gasoline Dispensing Nozzle Served by Balance Phase II Vapor Recovery System (G-70-162-A)

- Conditions 5-6, 8-9, 11-14, 16-23, 25-28, and 31 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

### **G. District Rule 4702 - Internal Combustion Engines**

The purpose of this rule is to limit the emissions of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur oxides (SO<sub>x</sub>) from internal combustion engines. This rule applies to any internal combustion engine with a rated at 25 brake horsepower or greater.

District Rule 4702 was last amended on November 14, 2013, which was subsequent to issuance of the initial Title V permit to this facility. This is the only amendment to this rule since issuance of the initial Title V permit to the facility. The purpose of the amendments was to make administrative updates to the rule language to clarify existing rule requirements by adding Federal Register citations and to clarify that the NO<sub>x</sub> limits for lean-burn waste gas fired engines. This rule amendments did not change any emissions limits. These amendments have no effect on the requirements included in the Title V permit for the IC engines at the facility.

Section 3.15 provides the following definition for an Emergency Standby Engine: an internal combustion engine which operates as a temporary replacement for primary mechanical or electrical power during an unscheduled outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the operator. An engine shall be considered to be an emergency standby engine if it is used only for the following purposes: (1) periodic maintenance, periodic readiness testing, or readiness testing during and after repair work; (2) unscheduled outages, or to supply power while maintenance is performed or repairs are made to the primary power supply; and (3) if it is limited to operate 100 hours or less per calendar year for non-emergency purposes. An engine shall not be considered to be an emergency standby engine if it is used: (1) to reduce the demand for electrical power when normal electrical power line service has not failed, or (2) to produce power for the utility electrical distribution system, or (3) in conjunction with a voluntary utility demand reduction program or interruptible power contract.

Section 4.2.1 states that except for the requirements of Section 5.9 and Section 6.2.3, the requirements of this rule shall not apply to emergency standby IC engine or a low-use engine, and provided that it is operated with a properly maintained and operated nonresettable elapsed operating time meter, or an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO.

Section 5.9.1 states that engines subject to Section 4.2 shall comply with the requirements specified in Section 5.9.2 through 5.9.5.

Section 5.9.2 requires that each engine shall be properly operated and maintained as recommended by the engine manufacturer or emission control supplier system.

Section 5.9.3 requires that the operational characteristics of each engine shall be monitored as recommended by the engine manufacturer or emission control supplier.

Section 5.9.4 requires installation and operation of a nonresettable elapsed time meter, or an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA. The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions.

Section 6.2.3 requires that an operator claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following: total hours of operation, type of fuel used, the purpose for operating the engine, for emergency standby engines – all hours of non-emergency and emergency operation shall be reported, and other support documentation necessary to demonstrate claim to the exemption.

The facility operates six IC engines that are emergency standby engines, as defined in Rule 4702. The following conditions will ensure that the engine meets the requirements of emergency standby engines as defined in the rule.

C-214-1-4: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)

- Conditions 4, 6-11, and 18 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

C-214-9-4: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 210)

- Conditions 5, 7-13, and 20 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

C-214-10-4: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 210)

- Conditions 5, 7-13, and 20 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

C-214-11-4: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 201)

- Conditions 5, 7-13, and 20 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

C-214-12-4: 1,593 bhp Caterpillar Model 3512 DITA Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)

- Conditions 5, 7-13, and 20 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

C-214-13-4: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 212)

- Conditions 5, 7-13, and 20 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

**H. 40 CFR Part 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

The purpose of 40 CFR 60 Subpart IIII is to establish New Source Performance Standards (NSPS) to reduce emissions of NO<sub>x</sub>, SO<sub>x</sub>, PM, CO, and VOC from new stationary compression ignition (SI) internal combustion (IC) engines.

Pursuant to Section 60.4200(a), the provisions of this subpart are applicable to manufacturers, owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) and other persons as specified in paragraphs (a)(1) through (4) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

- 1) Manufacturers of stationary CI ICE with a displacement of less than 30 liters per cylinder where the model year is:
  - (i) 2007 or later, for engines that are not fire pump engines;
  - (ii) The model year listed in Table 3 to this subpart or later model year, for fire pump engines.
- 2) Owners and operators of stationary CI ICE that commence construction after July 11, 2005, where the stationary CI ICE are:
  - (i) Manufactured after April 1, 2006, and are not fire pump engines, or
  - (ii) Manufactured as a certified National Fire Protection Association (NFPA) fire pump engine after July 1, 2006.
- 3) Owners and operators of any stationary CI ICE that are modified or reconstructed after July 11, 2005 and any person that modifies or reconstructs any stationary CI ICE after July 11, 2005.
- 4) The provisions of Section 60.4208 of this subpart are applicable to all owners and operators of stationary CI ICE that commence construction after July 11, 2005.

The stationary IC engines at this facility are existing units that have been at the facility since prior to the year 2000. These engines were installed prior to July 11, 2005 and have not been modified or reconstructed as defined in the subpart. Therefore, 40 CFR 60 Subpart IIII does not apply to the stationary IC engines at this facility.

**I. 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

Section 63.6580 Purpose

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.

Section 63.6585 Am I subject to this subpart?

This subpart applies to owners and operators of stationary RICE at a major or area source of HAP emissions, except if the stationary RICE is being tested at a stationary RICE test cell/stand.

Pursuant to Section 63.6585(f), the emergency stationary RICE listed in paragraphs (f)(1) through (3) of this section are not subject to this subpart. The stationary RICE must meet the definition of an emergency stationary RICE in Section 63.6675, which includes operating according to the provisions specified in Section 63.6640(f).

(1) Existing residential emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Section 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in Section 63.6640(f)(4)(ii).

(2) Existing commercial emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Section 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in Section 63.6640(f)(4)(ii).

(3) Existing institutional emergency stationary RICE located at an area source of HAP emissions that do not operate or are not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Section 63.6640(f)(2)(ii) and (iii) and that do not operate for the purpose specified in Section 63.6640(f)(4)(ii).

Section 63.6590 What parts of my plant does this subpart cover?

This subpart applies to each affected source.

(a) *Affected source.* An affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

This facility is an area source of HAP emissions; therefore, this subpart applies.

(1) Existing stationary RICE

...

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

The stationary emergency IC engines at this facility are defined as an "existing" RICE since they were installed prior to June 12, 2006.

(2) New stationary RICE

...

(iii) A stationary RICE located at an area source of HAP emissions is new if construction of the stationary RICE commenced on or after June 12, 2006.

As stated above, stationary emergency IC engines at this facility are defined as an "existing" RICE since they were installed prior to June 12, 2006.

...

(3) *Reconstructed stationary RICE.*

...

(iii) A stationary RICE located at an area source of HAP emissions is reconstructed if you meet the definition of reconstruction in Section 63.2 and reconstruction is commenced on or after June 12, 2006.

For the stationary emergency IC engines at this facility, reconstruction has not commenced on or after June 12, 2006.

(b) *Stationary RICE subject to limited requirements.*

(3) The following stationary RICE do not have to meet the requirements of this subpart and of subpart A of this part, including initial notification requirements:

(i) Existing spark ignition 2 stroke lean burn (2SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(ii) Existing spark ignition 4 stroke lean burn (4SLB) stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(iii) Existing emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that does not operate or is not contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Section 63.6640(f)(2)(ii) and (iii).

(iv) Existing limited use stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions;

(v) Existing stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;

The existing engine at this facility does not qualify for any of the exemptions listed above.

(c) *Stationary RICE subject to Regulations under 40 CFR Part 60.* An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.

- (1) A new or reconstructed stationary RICE located at an area source;
- (2) A new or reconstructed 2SLB stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;
- (3) A new or reconstructed 4SLB stationary RICE with a site rating of less than 250 brake HP located at a major source of HAP emissions;
- (4) A new or reconstructed spark ignition 4 stroke rich burn (4SRB) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;
- (5) A new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis;
- (6) A new or reconstructed emergency or limited use stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions;
- (7) A new or reconstructed compression ignition (CI) stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

As stated the stationary IC engines at this facility is defined as "existing"; therefore, this section does not apply.

Section 63.6595 When do I have to comply with this subpart?

(a) *Affected sources.*

- (1) If you have an existing stationary RICE, excluding existing non-emergency CI stationary RICE, with a site rating of more than 500 brake HP located at a major source of HAP emissions, you must comply with the applicable emission limitations, operating limitations and other requirements no later than June 15, 2007. If you have an existing non-emergency CI stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, an existing stationary CI



RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary CI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. If you have an existing stationary SI RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions, or an existing stationary SI RICE located at an area source of HAP emissions, you must comply with the applicable emission limitations, operating limitations, and other requirements no later than October 19, 2013.

The stationary IC engines at this facility are existing CI RICE located at an area source of HAP emissions; therefore, the full compliance date for this subpart for the engine at the facility is May 3, 2013. This date has already passed; therefore, the engines are currently required to comply with the requirements of this subpart.

Section 63.6603 What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?

(a) If you own or operate an existing stationary RICE located at an area source of HAP emissions, you must comply with the requirements in Table 2d *Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions*) to this subpart and the operating limitations in Table 2b *(Operating Limitations for New and Reconstructed 2SLB and CI Stationary RICE >500 HP Located at a Major Source of HAP Emissions, New and Reconstructed 4SLB Stationary RICE  $\geq$ 250 HP Located at a Major Source of HAP Emissions, Existing CI Stationary RICE >500 HP)* to this subpart that apply to you.

Table 2d to Subpart ZZZZ of Part 63 - Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

The following table includes requirements that apply to the existing emergency stationary CI RICE at the facility:

<b>Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions</b>		
<b>For each . . .</b>	<b>You must meet the following requirement, except during periods of startup . . .</b>	<b>During periods of startup you must . . .</b>
4. Emergency stationary CI RICE and black start stationary CI RICE. <sup>2</sup>	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; <sup>1</sup> b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first, and replace as necessary; and c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

<sup>1</sup> Sources have the option to utilize an oil analysis program as described in Section 63.6625(i) or (j) in order to extend the specified oil change requirement in Table 2d of this subpart.

<sup>2</sup> If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of this subpart, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the management practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

Section 63.6604 What fuel requirements must I meet if I own or operate a stationary CI RICE?

...

(b) Beginning January 1, 2015, if you own or operate an existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Sections 63.6640(f)(2)(ii) and (iii) or that operates for the purpose specified in Section 63.6640(f)(4)(ii), you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

(c) Beginning January 1, 2015, if you own or operate a new emergency CI stationary RICE with a site rating of more than 500 brake HP and a displacement of less than 30 liters per cylinder located at a major source of

HAP that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in Sections 63.6640(f)(2)(ii) and (iii), you must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

The IC engines at the facility are located at an area source do not operate for the purposes specified in Sections 63.6640(f)(2)(ii) - emergency demand response, 63.6640(iii) - deviation of voltage, or 63.6640(f)(4)(ii) - as part of a financial arrangement with another entity. Therefore, this section does not apply; however, all of the CI engines at the facility are required to use ARB certified ultra-low sulfur diesel, which satisfies the requirement of this section.

Section 63.6625 What are my monitoring, installation, collection, operation, and maintenance requirements?

...

(e) If you own or operate any of the following stationary RICE, you 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 your 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:

- (1) An existing stationary RICE with a site rating of less than 100 HP located at a major source of HAP emissions;
- (2) An existing emergency or black start stationary RICE with a site rating of less than or equal to 500 HP located at a major source of HAP emissions;
- (3) An existing emergency or black start stationary RICE located at an area source of HAP emissions;
- (4) An existing non-emergency, non-black start stationary CI RICE with a site rating less than or equal to 300 HP located at an area source of HAP emissions;
- (5) An existing non-emergency, non-black start 2SLB stationary RICE located at an area source of HAP emissions;
- (6) An existing non-emergency, non-black start stationary RICE located at an area source of HAP emissions which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis.
- (7) An existing non-emergency, non-black start 4SLB stationary RICE with a site rating less than or equal to 500 HP located at an area source of HAP emissions;

(8) An existing non-emergency, non-black start 4SRB stationary RICE with a site rating less than or equal to 500 HP located at an area source of HAP emissions;

(9) An existing, non-emergency, non-black start 4SLB stationary RICE with a site rating greater than 500 HP located at an area source of HAP emissions that is operated 24 hours or less per calendar year; and

(10) An existing, non-emergency, non-black start 4SRB stationary RICE with a site rating greater than 500 HP located at an area source of HAP emissions that is operated 24 hours or less per calendar year.

(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

...

(h) If you operate a new, reconstructed, or existing stationary engine, you 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, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply.

(i) If you own or operate a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this subpart or in items 1 or 4 of Table 2d to this subpart, you have the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. 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 business 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 business 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.

Section 63.6640 How do I demonstrate continuous compliance with the emission limitations, operating limitations, and other requirements?

(a) You must demonstrate continuous compliance with each emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

(b) You must report each instance in which you did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in Section 63.6650. If you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that you are meeting the required emission limitation applicable to your stationary RICE.

(c) The annual compliance demonstration required for existing non-emergency 4SLB and 4SRB stationary RICE with a site rating of more than 500 HP located at an area source of HAP that are not remote stationary RICE and that are operated more than 24 hours per calendar year must be conducted according to the specific requirements in this section.

...

(d) For new, reconstructed, and rebuilt stationary RICE, deviations from the emission or operating limitations that occur during the first 200 hours of operation from engine startup (engine burn-in period) are not violations. Rebuilt stationary RICE means a stationary RICE that has been rebuilt as that term is defined in 40 CFR 94.11(a).

(e) You must also report each instance in which you did not meet the requirements in Table 8 to this subpart that apply to you. If you own or operate a new or reconstructed stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions (except new or reconstructed 4SLB engines greater than or equal to 250 and less than or equal to 500 brake HP), a new or reconstructed stationary RICE located at an area source of HAP emissions, or any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8

to this subpart: An existing 2SLB stationary RICE, an existing 4SLB stationary RICE, an existing emergency stationary RICE, an existing limited use stationary RICE, or an existing stationary RICE which fires landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis. If you own or operate any of the following RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions, you do not need to comply with the requirements in Table 8 to this subpart, except for the initial notification requirements: a new or reconstructed stationary RICE that combusts landfill gas or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, a new or reconstructed emergency stationary RICE, or a new or reconstructed limited use stationary RICE.

(f) If you own or operate an emergency stationary RICE, you must operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. In order for the engine to be considered an emergency stationary RICE 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 (4) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.

(1) There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

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

(ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see Section 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.

(ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line

overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

Applicable Requirements from Table 6 to Subpart ZZZZ of Part 63 - Continuous Compliance With Emission Limitations, Operating Limitations, Work Practices, and Management Practices

<b>Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices for Stationary RICE</b>		
<b>For each . . .</b>	<b>You must meet the following requirement, except during periods of startup . . .</b>	<b>During periods of startup you must . . .</b>
<p>9. Existing emergency and black start stationary RICE ≤500 HP located at a major source of HAP, existing non-emergency stationary RICE &lt;100 HP located at a major source of HAP, existing emergency and black start stationary RICE located at an area source of HAP, existing non-emergency stationary CI RICE ≤300 HP located at an area source of HAP, existing non-emergency 2SLB stationary RICE located at an area source of HAP, existing non-emergency stationary SI RICE located at an area source of HAP which combusts landfill or digester gas equivalent to 10 percent or more of the gross heat input on an annual basis, existing non-emergency 4SLB and 4SRB stationary RICE ≤500 HP located at an area source of HAP, existing non-emergency 4SLB and 4SRB stationary RICE &gt;500 HP located at an area source of HAP that operate 24 hours or less per calendar year, and existing non-emergency 4SLB and 4SRB stationary RICE &gt;500 HP located at an area source of HAP that are remote stationary RICE</p>	<p>a. Work or Management practices</p>	<p>i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or</p> <p>ii. Develop and follow your 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.</p>



Section 63.6635 How do I monitor and collect data to demonstrate continuous compliance?

(a) If you must comply with emission and operating limitations, you must monitor and collect data according to this section.

(b) Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, you must monitor continuously at all times that the stationary RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(c) You may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. You must, however, use all the valid data collected during all other periods.

Section 63.6645 What notifications must I submit and when?

(a) You must submit all of the notifications in Sections 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified if you own or operate any of the following;

(1) An existing stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions.

(2) An existing stationary RICE located at an area source of HAP emissions.

...

(5) This requirement does not apply if you own or operate an existing stationary RICE less than 100 HP, an existing stationary emergency RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

...

(g) If you are required to conduct a performance test, you must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in Section 63.7(b)(1).

(h) If you are required to conduct a performance test or other initial compliance demonstration as specified in Tables 4 and 5 to this subpart, you must submit a Notification of Compliance Status according to Section 63.9(h)(2)(ii).

(1) For each initial compliance demonstration required in Table 5 to this subpart that does not include a performance test, you must submit the Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration.

(2) For each initial compliance demonstration required in Table 5 to this subpart that includes a performance test conducted according to the requirements in Table 3 to this subpart, you must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to Section 63.10(d)(2).

(i) If you own or operate an existing non-emergency CI RICE with a site rating of more than 300 HP located at an area source of HAP emissions that is certified to the Tier 1 or Tier 2 emission standards in Table 1 of 40 CFR 89.112 and subject to an enforceable state or local standard requiring engine replacement and you intend to meet management practices rather than emission limits, as specified in Section 63.6603(d), you must submit a notification by March 3, 2013, stating that you intend to use the provision in Section 63.6603(d) and identifying the state or local regulation that the engine is subject to.

Section 63.6650 What reports must I submit and when?

(a) You must submit each report in Table 7 of this subpart that applies to you.

(b) Unless the Administrator has approved a different schedule for submission of reports under Section 63.10(a), you must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through (b)(9) of this section.

...

(5) For each stationary RICE that is subject to permitting regulations pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6 (a)(3)(iii)(A), you may submit the first and subsequent Compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (b)(4) of this section.

...

(c) The Compliance report must contain the information in paragraphs (c)(1) through (6) of this section.

(1) Company name and address.

(2) Statement by a responsible official, with that official's name, title, and signature, certifying the accuracy of the content of the report.

(3) Date of report and beginning and ending dates of the reporting period.

(4) If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with Section 63.6605(b), including actions taken to correct a malfunction.

(5) If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.

(6) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in Section 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

(d) For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CMS to comply with the emission or operating limitations in this subpart, the Compliance report must contain the information in paragraphs (c)(1) through (4) of this section and the information in paragraphs (d)(1) and (2) of this section.

(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

...

(f) Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of this subpart along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any

obligation the affected source may have to report deviations from permit requirements to the permit authority.

...

Section 63.6655 What records must I keep?

(a) If you must comply with the emission and operating limitations, you must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in Section 63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (*i.e.*, process equipment) or the air pollution control and monitoring equipment.

(3) Records of performance tests and performance evaluations as required in Section 63.10(b)(2)(viii).

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with Section 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

...

(d) You must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to you.

(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device (if any) according to your own maintenance plan if you own or operate any of the following stationary RICE;

(1) An existing stationary RICE with a site rating of less than 100 brake HP located at a major source of HAP emissions.

(2) An existing stationary emergency RICE.

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) through (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner

or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in Section 63.6640(f)(2)(ii) or (iii) or Section 63.6640(f)(4)(ii), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

Section 63.6660 In what form and how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review according to Section 63.10(b)(1).

(b) As specified in Section 63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to Section 63.10(b)(1).

Conditions requiring compliance with this regulation will be included in the requirements for the permit units as follows:

C-214-1-4: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)

- Conditions 4, 6-7, 10, and 12-18 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

C-214-9-4: 1,490 bhp Cummins Model KTA-50-G1 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 210)

- Conditions 5, 7-8, 12, and 14-20 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

C-214-10-4: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 210)

- Conditions 5, 7-8, 12, and 14-20 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

C-214-11-4: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 201)

- Conditions 5, 7-8, 12, and 14-20 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

C-214-12-4: 1,593 bhp Caterpillar Model 3512 DITA Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)

- Conditions 5, 7-8, 12, and 14-20 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

C-214-13-4: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 212)

- Conditions 5, 7-8, 12, and 14-20 of the proposed requirements for this permit unit ensure compliance with the applicable requirements.

**J. 40 CFR Part 64 - Compliance Assurance Monitoring (CAM)**

40 CFR Part 64 requires Compliance Assurance Monitoring 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

C-214-1-4: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)

This permit unit has emission limits for NO<sub>x</sub> and PM. However, the unit is not equipped with any add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, this permit unit is not subject to CAM.

C-214-3-5: Woodworking Operation including: (1) Belt Sander, (1) Planer, (1) Table Saw, (1) Compound Miter Saw, (1) Band Saw, Each Served by a Kufo Model UFO-101C Dust Collector (Located in Building 311a)

This permit unit has an emissions limit for PM<sub>10</sub> and is equipped with a dust collector, which is an add-on control for PM<sub>10</sub>. Therefore, the unit may potentially be subject to CAM for PM<sub>10</sub>.

The annual pre-control potential to emit for PM<sub>10</sub> from this permit unit is calculated below using the uncontrolled PM<sub>10</sub> emission factor for woodworking operations of 0.05 gr/dscf (Based on South Coast Air Quality Management District source tests as previously discussed in the initial Title V Permit evaluation for this facility) and the 8,000 cfm airflow rate of a Sternvent Model 3630 (Manufacturer's data).

$$\text{Pre-Control Potential to Emit for PM}_{10} = (0.05 \text{ gr/dscf} \times 8,000 \text{ dscf} \times 525,600 \text{ min/yr}) \div 7000 \text{ gr/lb} = 30,034 \text{ lb-PM}_{10}/\text{yr} < 140,000 \text{ lb-PM}_{10}/\text{yr}$$

As shown above, the pre-control potential to emit for PM<sub>10</sub> from this permit unit does not unit exceed the applicable major source threshold for this pollutant. Therefore, this permit unit is not subject to CAM.

C-214-4-8: 43 MMBtu/hr Cleaver Brooks Model #D-60E (#1) Natural Gas-Fired Boiler with Fuel Oil #2 as Back-Up Fuel, a Cleaver Brooks Model NTS420LGS-09S-1P Low NO<sub>x</sub> Burner, and Flue Gas Recirculation (FGR) System

This 43 MMBtu/hr boiler has emission limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC. NO<sub>x</sub> emissions from the unit are reduced by the use of a low NO<sub>x</sub> burner and Flue Gas Recirculation (FGR). Low-NO<sub>x</sub> burners are not add-on controls but are classified as inherent process equipment. However, FGR is considered an add-on control; therefore, the unit is potentially subject to CAM for NO<sub>x</sub>. This unit is not equipped with any add-on controls for SO<sub>x</sub>, PM<sub>10</sub>, CO, or VOC; therefore, CAM is not required for SO<sub>x</sub>, PM<sub>10</sub>, CO, or VOC.

The annual pre-control potential to emit for NO<sub>x</sub> from this permit unit is calculated below using emission factors from EPA AP-42, 1.3 Fuel Oil Combustion (5/2010) and EPA AP-42, 1.4 Natural Gas Combustion (7/1998).

Maximum Pre-Control Potential to Emit for NO<sub>x</sub> from Combustion of Natural Gas

Natural Gas Combustion Pre-Control Emission Factor: 50 lb-NO<sub>x</sub>/10<sup>6</sup> scf  
(Source: EPA AP-42, 1.4 Natural Gas Combustion (7/1998), Table 1.4-1)

Maximum Heat Input: 224,000 MMBtu/yr (Source: current permit)

Pre-Control Potential to Emit for NO<sub>x</sub>:  
50 lb-NO<sub>x</sub>/10<sup>6</sup> scf-Natural Gas x 1 scf-Natural Gas/1,000 Btu x 10<sup>6</sup> Btu/1 MMBtu x 224,000 MMBtu/yr = 11,200 lb-NO<sub>x</sub>/yr < 20,000 lb-NO<sub>x</sub>/yr

Maximum Pre-Control Potential to Emit for NO<sub>x</sub> from Combustion of Natural Gas and Fuel Oil #2

Natural Gas Combustion Pre-Control Emission Factor: 50 lb-NO<sub>x</sub>/10<sup>6</sup> scf

Fuel Oil #2 Pre-Control Emission Factor: 20 lb-NO<sub>x</sub>/10<sup>3</sup> gallon; Fuel Oil #2 Heating Value: 140 MMBtu/10<sup>3</sup> gallon (Source: EPA AP-42, 1.3 Fuel Oil Combustion (5/210))

Maximum Heat Input: 224,000 MMBtu/yr (Source: current permit)

Maximum Annual Hours of Fuel Oil Combustion: 48 hr/yr (Source: current permit)



Maximum Fuel Oil #2 Combustion Heat Input:  $43 \text{ MMBtu/hr} \times 48 \text{ hr/yr} = 2,064 \text{ MMBtu/yr}$

Natural Gas Combustion Heat Input:  $224,000 \text{ MMBtu/yr} - 2,064 \text{ MMBtu/yr} = 221,936 \text{ MMBtu/yr}$

Pre-Control Potential to Emit for NO<sub>x</sub> from Combustion of Natural Gas:  
 $50 \text{ lb-NO}_x/10^6 \text{ scf-Natural Gas} \times 1 \text{ scf-Natural Gas}/1,000 \text{ Btu} \times 10^6 \text{ Btu}/1 \text{ MMBtu} \times 221,936 \text{ MMBtu/yr} = 11,097 \text{ lb-NO}_x/\text{yr}$

Pre-Control Potential to Emit for NO<sub>x</sub> from Combustion of Fuel Oil #2:  
 $20 \text{ lb-NO}_x/10^3 \text{ gallon} \times 10^3 \text{ gallon}/140 \text{ MMBtu} \times 2,064 \text{ MMBtu/yr} = 295 \text{ lb-NO}_x/\text{yr}$

Maximum Pre-Control Potential to Emit for NO<sub>x</sub> from Combustion of Natural Gas and Fuel Oil #2

$11,097 \text{ lb-NO}_x/\text{yr} + 295 \text{ lb-NO}_x/\text{yr} = 11,392 \text{ lb-NO}_x/\text{yr} < 20,000 \text{ lb-NO}_x/\text{yr}$

As shown above, the pre-control potential to emit for NO<sub>x</sub> from this permit unit does not unit exceed the applicable major source threshold for this pollutant. Therefore, this permit unit is not subject to CAM for NO<sub>x</sub>.

C-214-5-8: 27 MMBtu/hr Cleaver Brooks Model D42 (#2) Natural Gas-Fired Boiler with Fuel Oil #2 as Back-Up Fuel, a Cleaver Brooks Model NTS294LGS-09S-1P Low NO<sub>x</sub> Burner, and Flue Gas Recirculation (FGR) System

This 27 MMBtu/hr boiler has emission limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC. NO<sub>x</sub> emissions from the unit are reduced by the use of a low NO<sub>x</sub> burner and Flue Gas Recirculation (FGR). Low-NO<sub>x</sub> burners are not add-on controls but are classified as inherent process equipment. However, FGR is considered an add-on control; therefore, the unit is potentially subject to CAM for NO<sub>x</sub>. This unit is not equipped with any add-on controls for SO<sub>x</sub>, PM<sub>10</sub>, CO, or VOC; therefore, CAM is not required for SO<sub>x</sub>, PM<sub>10</sub>, CO, or VOC.

The annual pre-control potential to emit for NO<sub>x</sub> from this permit unit is calculated below using emission factors from EPA AP-42, 1.3 Fuel Oil Combustion (5/2010) and EPA AP-42, 1.4 Natural Gas Combustion (7/1998).

Maximum Pre-Control Potential to Emit for NO<sub>x</sub> from Combustion of Natural Gas

Natural Gas Combustion Pre-Control Emission Factor: 50 lb-NO<sub>x</sub>/10<sup>6</sup> scf  
(Source: EPA AP-42, 1.4 Natural Gas Combustion (7/1998), Table 1.4-1)

Maximum Heat Input: 224,000 MMBtu/yr (Source: current permit)

Pre-Control Potential to Emit for NO<sub>x</sub>:

50 lb-NO<sub>x</sub>/10<sup>6</sup> scf-Natural Gas x 1 scf-Natural Gas/1,000 Btu x 10<sup>6</sup> Btu/1 MMBtu x 224,000 MMBtu/yr = 11,200 lb-NO<sub>x</sub>/yr < 20,000 lb-NO<sub>x</sub>/yr

Maximum Pre-Control Potential to Emit for NO<sub>x</sub> from Combustion of Natural Gas and Fuel Oil #2

Natural Gas Combustion Pre-Control Emission Factor: 50 lb-NO<sub>x</sub>/10<sup>6</sup> scf

Fuel Oil #2 Pre-Control Emission Factor: 20 lb-NO<sub>x</sub>/10<sup>3</sup> gallon; Fuel Oil #2 Heating Value: 140 MMBtu/10<sup>3</sup> gallon (Source: EPA AP-42, 1.3 Fuel Oil Combustion (5/210))

Maximum Heat Input: 224,000 MMBtu/yr (Source: current permit)

Maximum Annual Hours of Fuel Oil Combustion: 48 hr/yr (Source: current permit)

Maximum Fuel Oil #2 Combustion Heat Input: 27 MMBtu/hr x 48 hr/yr = 1,296 MMBtu/yr

Natural Gas Combustion Heat Input: 224,000 MMBtu/yr - 1,296 MMBtu/yr = 222,704 MMBtu/yr

Pre-Control Potential to Emit for NO<sub>x</sub> from Combustion of Natural Gas:

50 lb-NO<sub>x</sub>/10<sup>6</sup> scf-Natural Gas x 1 scf-Natural Gas/1,000 Btu x 10<sup>6</sup> Btu/1 MMBtu x 222,704 MMBtu/yr = 11,135 lb-NO<sub>x</sub>/yr

Pre-Control Potential to Emit for NO<sub>x</sub> from Combustion of Fuel Oil #2:

20 lb-NO<sub>x</sub>/10<sup>3</sup> gallon x 10<sup>3</sup> gallon/140 MMBtu x 1,296 MMBtu/yr = 185 lb-NO<sub>x</sub>/yr

Maximum Pre-Control Potential to Emit for NO<sub>x</sub> from Combustion of Natural Gas and Fuel Oil #2

11,135 lb-NO<sub>x</sub>/yr + 185 lb-NO<sub>x</sub>/yr = 11,320 lb-NO<sub>x</sub>/yr < 20,000 lb-NO<sub>x</sub>/yr

As shown above, the pre-control potential to emit for NO<sub>x</sub> from this permit unit does not unit exceed the applicable major source threshold for this pollutant. Therefore, this permit unit is not subject to CAM for NO<sub>x</sub>.

C-214-9-4: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 210)

This permit unit has emission limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC. However, the unit is not equipped with any add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, this permit unit is not subject to CAM.

C-214-10-4: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 210)

This permit unit has emission limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC. However, the unit is not equipped with any add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, this permit unit is not subject to CAM.

C-214-11-4: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 201)

This permit unit has emission limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC. However, the unit is not equipped with any add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, this permit unit is not subject to CAM.

C-214-12-4: 1,593 bhp Caterpillar Model 3512 DITA Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)

This permit unit has emission limits for NO<sub>x</sub> and PM. However, the unit is not equipped with any add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, this permit unit is not subject to CAM.

C-214-13-4: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in Building 212)

This permit unit has emission limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC. However, the unit is not equipped with any add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, this permit unit is not subject to CAM.

C-214-15-4: Woodworking Operation including: (2) Belt Sanders, (1) Planer, (1) Lathe, (1) Panel Saw, (1) Jointer, (1) Router, (1) Table Saw, and (1) Radial Arm Saw All Served by a 7,000 cfm Sternvent Model CYH 3630-76 Dust Collector with a 36" Diameter Cyclone

This permit unit has an emissions limit for PM<sub>10</sub> and is equipped with a dust collector, which is an add-on control for PM<sub>10</sub>. Therefore, the unit may potentially be subject to CAM.

The annual pre-control potential to emit for PM<sub>10</sub> from this permit unit is calculated below using the uncontrolled PM<sub>10</sub> emission factor for woodworking operations of 0.05 gr/dscf (Based on South Coast Air Quality Management District source tests as previously discussed in the initial Title V Permit evaluation for this facility) and the 7,000 cfm airflow rate of the dust collector (from the Equipment Description of the permit unit):

$$\text{Pre-Control Potential to Emit for PM}_{10} = (0.05 \text{ gr/dscf} \times 7,000 \text{ dscf} \times 525,600 \text{ min/yr}) \div 7000 \text{ gr/lb} = 26,280 \text{ lb-PM}_{10}/\text{yr} < 140,000 \text{ lb-PM}_{10}/\text{yr}$$

As shown above, the pre-control potential to emit for PM<sub>10</sub> from this permit unit does not unit exceed the applicable major source threshold for this pollutant. Therefore, this permit unit is not subject to CAM.

C-214-16-7: Wood and Metal Parts Coating Operation Using Brushes and Rollers (Building 309c)

This permit unit has an emission limit for VOC. However, the unit is not equipped with any add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, this permit unit is not subject to CAM.

C-214-32-7: 8.1 MMBtu/hr Clayton Industries Model SLG-204-2-LNG Natural Gas-Fired Boiler with a Low NO<sub>x</sub> Burner

This permit unit has emission limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC. NO<sub>x</sub> emissions from the unit are reduced by the use of a low NO<sub>x</sub> burner. Low-NO<sub>x</sub> burners are not add-on controls but are classified as inherent process equipment. The unit is not equipped with any add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, this permit unit is not subject to CAM.

C-214-45-4: Metal Parts and Products Coating Operation with HVLP Spray Gun, Paint Spray Booth with Exhaust Filters, Spray Gun Cleaner, and 1.75 MMBtu/hr Drying Oven

This permit unit has an emission limit for VOC. However, the unit is not equipped with any add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, this permit unit is not subject to CAM.

C-214-46-3: Gasoline Dispensing Operation with One 12,000 Gallon Split (8,000 Gallon Gasoline/4,000 Gallon Diesel) Fireguard Aboveground Storage Tank Served by Morrison Brothers EVR Phase I Vapor Recovery System (VR-402-B), Standing Loss Control (VR-301-E), and 1 Fueling Point with 1 Gasoline Dispensing Nozzle Served by Balance Phase II Vapor Recovery System (G-70-162-A)

This permit unit has an emissions limit for VOC and is equipped with vapor recovery, which may be considered an add-on control for VOC. Therefore, the unit may potentially be subject to CAM for VOC.

The annual pre-control potential to emit for VOC from this permit unit is calculated below using the VOC emission factor for aboveground tanks for gasoline dispensing without vapor recovery.

Uncontrolled VOC Emission Factor for Gasoline Dispensing Operations with Aboveground Storage Tanks

These emission factors were obtained from Appendix A - Emission Factors For Gasoline Stations published by CAPCOA Air Toxic "Hot Spots" Program in the Gasoline Service Station Industrywide Risk Assessment Guidelines dated December 1997.

VOC Emission Factors	
Emission Factor (EF1) (lb-VOC/1,000 gal)	Emission Source
8.4	Tank filling loss
2.1	Breathing Loss (A/G tank)
8.4	Vehicle fueling loss
0.61	Spillage
<b>19.51</b>	<b>Total VOC Losses</b>

Maximum Amount of Gasoline that can be dispensed per fueling point per day: 1,800 gallons per fueling point per day (Source: San Joaquin Valley Air Pollution Control District Policy Guidelines for Expedited Application Reviews (GEARs) for Gasoline Dispensing Facilities)

Number of Fueling Points: 1 (Source: 1 nozzle per current permit)

Pre-Control Potential to Emit for VOC:

$19.51 \text{ lb-VOC/1,000 gal} \times 1,800 \text{ gal/(fueling point-day)} \times 1 \text{ fueling point} \times 365 \text{ day/yr} = 12,818 \text{ lb-VOC/yr} < 20,000 \text{ lb-VOC/yr}$

As shown above, the pre-control potential to emit for VOC from this permit unit does not unit exceed the applicable major source threshold for this pollutant. Therefore, this permit unit is not subject to CAM.

C-214-47-1: Metal Cutting Operation with Controlled Automation Model Plasmax 6 x 12 CNC Cutting System Equipped with a 19.7 kVa Power Supply and Model HPR130XD Plasma Arc Cutting Torch Served by a Camfil Farr Model GS12 Dust Collector

This permit unit has an emissions limit for PM<sub>10</sub> and is equipped with a dust collector, which is an add-on control for PM<sub>10</sub>. Therefore, the unit may potentially be subject to CAM for PM<sub>10</sub>.

The annual pre-control potential to emit for PM<sub>10</sub> from this permit unit is calculated below using the maximum emission rate for PM<sub>10</sub> for the unit and the control efficiency of the dust collector.

Maximum Emission Rate for PM<sub>10</sub>: 0.1 lb-PM<sub>10</sub>/day (Source: current permit)

Dust Collector Control Efficiency: 99.9%

Pre-Control Potential to Emit for PM<sub>10</sub>:

$$0.1 \text{ lb-PM}_{10}/\text{day} \div (1 - 0.999) \times 365 \text{ day/yr} = 36,500 \text{ lb-PM}_{10}/\text{yr} < 140,000 \text{ lb-PM}_{10}/\text{yr}$$

As shown above, the pre-control potential to emit for PM<sub>10</sub> from this permit unit does not unit exceed the applicable major source threshold for this pollutant. Therefore, this permit unit is not subject to CAM.

**K. 40 CFR Part 82, Subpart B - Stratospheric Ozone**

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 air conditioners in MVACs and MVAC-like appliances.

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 do not have any effect on the current permit requirements and therefore will not be addressed further in this evaluation.

C-214-0-3: Facility-Wide Requirements

- Condition 28 of the requirements of the proposed facility-wide permit assures compliance.

**L. 40 CFR Part 82, Subpart F - Stratospheric Ozone**

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.

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, manufacturer 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 do not have any effect on the current permit requirements and therefore will not be addressed further in this evaluation.

C-214-0-3: Facility-Wide Requirements

- Condition 27 of the requirements of the proposed facility-wide permit assures compliance.

## **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**

The applicant does not propose to use any model general permit templates.

### **B. Requirements not Addressed by Model General Permit Templates**

The applicant has not requested any permit shields.

## **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-214-0-3

EXPIRATION DATE: 08/31/2017

## FACILITY-WIDE REQUIREMENTS

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 and Kings County Rule 111] 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 and Kings County Rule 111] 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. 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]
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
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

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: CALIF STATE PRISON - CORCORAN  
Location: 4001 KING AVE, CORCORAN, CA 93212  
C-214-0-3 : Jun 12 2018 4:30PM -- NORMANR

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
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] 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. {4384} 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. {4385} 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. {4386} 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. {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
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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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. On October 31, 2012, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, 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
40. {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.

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-1-4

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

188 BHP DETROIT DIESEL MODEL DDFPO4AT-7008 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP (LOCATED IN BUILDING 213)

## PERMIT UNIT REQUIREMENTS

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] 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. 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, and 40 CFR 63.6625(f)] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be used. [District Rules 2201 and 4801, 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 Rules 2201 and 4702, and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems". Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 17 CCR 93115, and 40 CFR 63.6640(f)(ii)] 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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, 17 CCR 93115, and 40 CFR 63.6655(f)] Federally Enforceable Through Title V Permit
11. The permittee shall maintain monthly records of the type of fuel purchased and shall retain fuel purchase records that demonstrate that the only CARB certified diesel fuel was purchased to supply this engine. [District Rules 2520, 9.3.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
13. The permittee shall 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
14. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. The permittee has the option of utilizing an oil analysis program in order to extend the required oil change frequency specified in this condition. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of 40 CFR 63 Subpart ZZZZ. The analysis program must comply with the requirements of 40 CFR 63 Subpart ZZZZ. The analysis program must be part of the maintenance plan for the engine. 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. [40 CFR 63.6603 and 63.6625] Federally Enforceable Through Title V Permit
15. The engine's air cleaner/filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
16. All of the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
17. The permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit
18. 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, 17 CCR 93115, and 40 CFR 63.6660] 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-214-3-5

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

WOODWORKING OPERATION INCLUDING: (1) BELT SANDER, (1) PLANER, (1) TABLE SAW, (1) COMPOUND MITER SAW, (1) BAND SAW, EACH SERVED BY A KUFO MODEL UFO-101C DUST COLLECTOR (LOCATED IN BLDG 311A)

## PERMIT UNIT REQUIREMENTS

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [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. PM10 emissions from the dust collector shall not exceed 0.003 gr/dscf. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Visible emissions from the exhaust of the dust collector serving the woodworking operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Dust collector exhaust fan(s) shall be switched on prior to the start-up of any woodworking equipment. [District Rule 2201] Federally Enforceable Through Title V Permit
6. All ducting and control equipment shall be in good working order to prevent fugitive particulate emissions. [District Rule 2201] Federally Enforceable Through Title V Permit
7. All filters shall be properly maintained and must be in place during the woodworking operation(s). [District Rule 2201] Federally Enforceable Through Title V Permit
8. Each dust collector cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
10. A spare set of bags shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
11. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Records of all maintenance of the dust collector, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Visible emissions shall be evaluated during operation at least once per calendar year using EPA Method 22. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3] 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. Records of visible emission evaluations, a description of any corrective action taken to eliminate visible emissions, and dust collector repairs shall be maintained. The records shall include identification of the equipment, date of the evaluation, and identification of the individual performing the evaluation. [District Rule 2520, 9.4.1]
15. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 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.

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-4-8

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

43 MMBTU/HR CLEAVER BROOKS MODEL #D-60E (#1) NATURAL GAS-FIRED BOILER WITH FUEL OIL #2 AS BACK-UP FUEL, A CLEAVER BROOKS MODEL NTS420LGS-09S-1P LOW NOX BURNER, AND FLUE GAS RECIRCULATION (FGR) SYSTEM

## PERMIT UNIT REQUIREMENTS

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214, C-956, and C-4352 shall not exceed 25 tons/year based on a 12-month rolling basis. [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. The unit shall only be fired on PUC-regulated natural gas as the primary fuel and fuel oil #2 as the back-up fuel. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. Sulfur content of fuel oil #2 shall not exceed 0.0015% by weight. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
7. The unit shall only be fired on fuel oil #2 as a back-up fuel during natural gas curtailment or equipment testing, and for no more than 48 cumulative hours in a calendar year. [District Rules 2201, 4306, and 4320] Federally Enforceable Through Title V Permit
8. If the unit is fired on fuel oil #2 as a back-up fuel for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NOx at least once during that year using an APCO approved portable NOx analyzer. Monitoring for back-up fuel NOx emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on back-up fuel solely to perform monitoring. [District Rule 4306] Federally Enforceable Through Title V Permit
9. Back-up fuel NOx emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4306] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of: (1) the date and time of back-up fuel NOx measurements, (2) the measured back-up fuel NOx concentration (in ppmv or lb/MMBtu) corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4306] 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
12. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel oil #2 combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. The combined annual heat inputs of units C-214-4 and -5 shall not exceed 224 billion Btu per calendar year. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
14. When fired on natural gas, emissions rates from the unit shall not exceed any of the following limits: 9 ppmv NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.011 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.001 lb-PM<sub>10</sub>/MMBtu, 150 ppmv CO @ 3% O<sub>2</sub> or 0.11 lb-CO/MMBtu, or 0.0036 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
15. When fired on fuel oil #2, emissions rates from the unit shall not exceed any of the following limits: 86 ppmv NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.11 lb-NO<sub>x</sub>/MMBtu, 0.0016 lb-SO<sub>x</sub>/MMBtu, 0.009 lb-PM<sub>10</sub>/MMBtu, 180 ppmv CO @ 3% O<sub>2</sub> or 0.14 lb-CO/MMBtu, or 0.0044 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
17. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
18. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
20. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] 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. Source testing to measure natural gas-combustion NO<sub>x</sub> and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
22. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. NO<sub>x</sub> emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
25. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
26. Stack gas oxygen (O<sub>2</sub>) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
27. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
28. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
29. Records of monthly and combined annual heat input (MMBtu) when fired on natural gas shall be maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
30. Records of monthly and annual heat input (MMBtu) when fired on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
31. Records of daily and annual backup fuel consumption consisting of the date the boiler operated on fuel oil #2 as backup fuel and the amount of time the boiler was operated, in hours, on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
32. The permittee shall monitor and record the cumulative annual hours of operation when fired on fuel oil #2 during curtailment and testing. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
33. 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 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
34. The operator shall pay an annual emission fee to the District for NO<sub>x</sub> emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NO<sub>x</sub> emission limit listed in Rule 4320 (10/16/08). [District Rule 4320] 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-214-5-8

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

27 MMBTU/HR CLEAVER BROOKS MODEL D42 (#2) NATURAL GAS-FIRED BOILER WITH FUEL OIL #2 AS BACK-UP FUEL, A CLEAVER BROOKS MODEL NTS294LGS-09S-1P LOW NOX BURNER, AND FLUE GAS RECIRCULATION (FGR) SYSTEM

## PERMIT UNIT REQUIREMENTS

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214, C-956, and C-4352 shall not exceed 25 tons/year based on a 12-month rolling basis. [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. The unit shall only be fired on PUC-regulated natural gas as the primary fuel and fuel oil #2 as the back-up fuel. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. Sulfur content of fuel oil #2 shall not exceed 0.0015% by weight. [District Rule 2201 and 4320] Federally Enforceable Through Title V Permit
7. The unit shall only be fired on fuel oil #2 as a back-up fuel during natural gas curtailment or equipment testing, and for no more than 48 cumulative hours in a calendar year. [District Rules 2201, 4306, and 4320] Federally Enforceable Through Title V Permit
8. If the unit is fired on fuel oil #2 as a back-up fuel for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NOx at least once during that year using an APCO approved portable NOx analyzer. Monitoring for back-up fuel NOx emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on back-up fuel solely to perform monitoring. [District Rule 4306] Federally Enforceable Through Title V Permit
9. Back-up fuel NOx emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4306] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of: (1) the date and time of back-up fuel NOx measurements, (2) the measured back-up fuel NOx concentration (in ppmv or lb/MMBtu) corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4306] 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
12. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel oil #2 combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
13. The combined annual heat inputs of units C-214-4 and -5 shall not exceed 224 billion Btu per calendar year. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
14. When fired on natural gas, emissions rates from the unit shall not exceed any of the following limits: 9 ppmv NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.011 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.001 lb-PM<sub>10</sub>/MMBtu, 150 ppmv CO @ 3% O<sub>2</sub> or 0.11 lb-CO/MMBtu, or 0.0040 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
15. When fired on fuel oil #2, emissions rates from the unit shall not exceed any of the following limits: 94 ppmv NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.12 lb-NO<sub>x</sub>/MMBtu, 0.0016 lb-SO<sub>x</sub>/MMBtu, 0.009 lb-PM<sub>10</sub>/MMBtu, 180 ppmv CO @ 3% O<sub>2</sub> or 0.14 lb-CO/MMBtu, or 0.0047 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
17. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
18. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
20. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] 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. Source testing to measure natural gas-combustion NO<sub>x</sub> and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
22. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. NO<sub>x</sub> emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
25. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
26. Stack gas oxygen (O<sub>2</sub>) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
27. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
28. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
29. Records of monthly and combined annual heat input (MMBtu) when fired on natural gas shall be maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
30. Records of monthly and annual heat input (MMBtu) when fired on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
31. Records of daily and annual backup fuel consumption consisting of the date the boiler operated on fuel oil #2 as backup fuel and the amount of time the boiler was operated, in hours, on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
32. The permittee shall monitor and record the cumulative annual hours of operation when fired on fuel oil #2 during curtailment and testing. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
33. 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 1070, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
34. The operator shall pay an annual emission fee to the District for NO<sub>x</sub> emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NO<sub>x</sub> emission limit listed in Rule 4320 (10/16/08). [District Rule 4320] 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-214-9-4

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BUILDING 210)

## PERMIT UNIT REQUIREMENTS

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Emissions shall not exceed 238.6 lb CO/day, 1102 lb NOx/day, 39.4 lb PM10/day, 73.3 lb SOx/day, nor 88.3 lb VOC/day. [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. 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, and 40 CFR 63.6625(f)] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be used. [District Rules 2201 and 4801, and 17 CCR 93115] 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 2201 and 4702, and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
8. 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, 17 CCR 93115, and 40 CFR 63.6640(f)(ii)] 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 Rules 2201 and 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, 17 CCR 93115, and 40 CFR 63.6655(f)] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased and shall retain fuel purchase records that demonstrate that the only CARB certified diesel fuel was purchased to supply this engine. [District Rules 2520, 9.3.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
15. The permittee shall 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. The permittee has the option of utilizing an oil analysis program in order to extend the required oil change frequency specified in this condition. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of 40 CFR 63 Subpart ZZZZ. The analysis program must comply with the requirements of 40 CFR 63 Subpart ZZZZ. The analysis program must be part of the maintenance plan for the engine. 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. [40 CFR 63.6603 and 63.6625] Federally Enforceable Through Title V Permit
17. The engine's air cleaner/filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. All of the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. The permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit
20. 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, 17 CCR 93115, and 40 CFR 63.6660] 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-214-10-4

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BUILDING 210)

## PERMIT UNIT REQUIREMENTS

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Emissions shall not exceed 238.6 lb CO/day, 1102 lb NOx/day, 39.4 lb PM10/day, 73.3 lb SOx/day, nor 88.3 lb VOC/day. [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. 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, and 40 CFR 63.6625(f)] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be used. [District Rules 2201 and 4801, and 17 CCR 93115] 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 2201 and 4702, and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
8. 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, 17 CCR 93115, and 40 CFR 63.6640(f)(ii)] 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 Rules 2201 and 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, 17 CCR 93115, and 40 CFR 63.6655(f)] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased and shall retain fuel purchase records that demonstrate that the only CARB certified diesel fuel was purchased to supply this engine. [District Rules 2520, 9.3.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
15. The permittee shall 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. The permittee has the option of utilizing an oil analysis program in order to extend the required oil change frequency specified in this condition. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of 40 CFR 63 Subpart ZZZZ. The analysis program must comply with the requirements of 40 CFR 63 Subpart ZZZZ. The analysis program must be part of the maintenance plan for the engine. 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. [40 CFR 63.6603 and 63.6625] Federally Enforceable Through Title V Permit
17. The engine's air cleaner/filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. All of the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. The permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit
20. 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, 17 CCR 93115, and 40 CFR 63.6660] 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-214-11-4

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BUILDING 201)

## PERMIT UNIT REQUIREMENTS

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Emissions shall not exceed 238.6 lb CO/day, 1102 lb NOx/day, 39.4 lb PM10/day, 73.3 lb SOx/day, nor 88.3 lb VOC/day. [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. 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, and 40 CFR 63.6625(f)] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be used. [District Rules 2201 and 4801, and 17 CCR 93115] 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 2201 and 4702, and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
8. 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, 17 CCR 93115, and 40 CFR 63.6640(f)(ii)] 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 Rules 2201 and 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, 17 CCR 93115, and 40 CFR 63.6655(f)] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased and shall retain fuel purchase records that demonstrate that the only CARB certified diesel fuel was purchased to supply this engine. [District Rules 2520, 9.3.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
15. The permittee shall 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. The permittee has the option of utilizing an oil analysis program in order to extend the required oil change frequency specified in this condition. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of 40 CFR 63 Subpart ZZZZ. The analysis program must comply with the requirements of 40 CFR 63 Subpart ZZZZ. The analysis program must be part of the maintenance plan for the engine. 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. [40 CFR 63.6603 and 63.6625] Federally Enforceable Through Title V Permit
17. The engine's air cleaner/filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. All of the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. The permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit
20. 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, 17 CCR 93115, and 40 CFR 63.6660] 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-214-12-4

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

1,593 BHP CATERPILLAR MODEL 3512 DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED AT HOSPITAL)

## PERMIT UNIT REQUIREMENTS

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] 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 engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District Rule 2201] 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, 17 CCR 93115, and 40 CFR 63.6625(f)] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be used. [District Rules 2201 and 4801, and 17 CCR 93115] 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 2201 and 4702, and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
8. 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 40 hours per calendar year. [District Rule 4702, 17 CCR 93115, and 40 CFR 63.6640(f)(ii)] 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 Rules 2201 and 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, 17 CCR 93115, and 40 CFR 63.6655(f)] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased and shall retain fuel purchase records that demonstrate that the only CARB certified diesel fuel was purchased to supply this engine. [District Rules 2520, 9.3.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
15. The permittee shall 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. The permittee has the option of utilizing an oil analysis program in order to extend the required oil change frequency specified in this condition. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of 40 CFR 63 Subpart ZZZZ. The analysis program must comply with the requirements of 40 CFR 63 Subpart ZZZZ. The analysis program must be part of the maintenance plan for the engine. 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. [40 CFR 63.6603 and 63.6625] Federally Enforceable Through Title V Permit
17. The engine's air cleaner/filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. All of the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. The permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit
20. 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, 17 CCR 93115, and 40 CFR 63.6660] 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-214-13-4

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

390 BHP CUMMINS MODEL NT855G3 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BUILDING 212)

## PERMIT UNIT REQUIREMENTS

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Emissions shall not exceed 62.4 lb CO/day, 288 lb NOx/day, 10.3 lb PM10/day, 19.2 lb SOx/day, nor 23.0 lb VOC/day. [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. 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, and 40 CFR 63.6625(f)] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be used. [District Rules 2201 and 4801, and 17 CCR 93115] 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 2201 and 4702, and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
8. 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, 17 CCR 93115, and 40 CFR 63.6640(f)(ii)] 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 Rules 2201 and 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, 17 CCR 93115, and 40 CFR 63.6655(f)] Federally Enforceable Through Title V Permit
13. The permittee shall maintain monthly records of the type of fuel purchased and shall retain fuel purchase records that demonstrate that the only CARB certified diesel fuel was purchased to supply this engine. [District Rules 2520, 9.3.2 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
15. The permittee shall 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. The permittee has the option of utilizing an oil analysis program in order to extend the required oil change frequency specified in this condition. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d of 40 CFR 63 Subpart ZZZZ. The analysis program must comply with the requirements of 40 CFR 63 Subpart ZZZZ. The analysis program must be part of the maintenance plan for the engine. 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. [40 CFR 63.6603 and 63.6625] Federally Enforceable Through Title V Permit
17. The engine's air cleaner/filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. All of the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. The permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit
20. 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, 17 CCR 93115, and 40 CFR 63.6660] 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-214-15-4

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

WOODWORKING OPERATION INCLUDING: (2) BELT SANDERS, (1) PLANER, (1) LATHE, (1) PANEL SAW, (1) JOINTER, (1) ROUTER, (1) TABLE SAW, AND (1) RADIAL ARM SAW ALL SERVED BY A 7,000 CFM STERNVENT MODEL CYH 3630-76 DUST COLLECTOR WITH A 36" DIAMETER CYCLONE

## PERMIT UNIT REQUIREMENTS

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Airflow through the ducting shall be maintained at a level sufficient to collect the dust typically generated by each piece of equipment served by that ducting. [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. Visible emissions shall be evaluated during operation at least once per calendar year using EPA Method 22. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3] Federally Enforceable Through Title V Permit
6. Records of visible emission evaluations, maintenance of the dust collector, including all change outs of filter media, a description of any corrective action taken to eliminate visible emissions, and dust collector repairs shall be maintained. The records shall include identification of the equipment, date of the evaluation, and identification of the individual performing the evaluation. [District Rule 2520, 9.4.1]
7. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 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-214-16-7

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

WOOD AND METAL PARTS COATING OPERATION USING BRUSHES AND ROLLERS (BUILDING 309C)

## PERMIT UNIT REQUIREMENTS

1. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Annual records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOC emissions from this booth shall not exceed 40.0 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [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 degrees 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 degrees 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: 420 g/l (3.5 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 topcoat: 360 g/l (3.0 lb/gal), pretreatment wash primer: 420 g/l (3.5 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
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 topcoat: 420 g/l (3.5 lb/gal), pretreatment wash primer: 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.

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 materials for wood products, as applied, 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. 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 and 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush or continuous coating application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rule 4603 and 4606] Federally Enforceable Through Title V Permit
15. Permittee shall demonstrate that HVLP guns manufactured prior to 1/1/96 operate between 0.1 and 10 psig air atomizing pressure, by manufacturer's published technical material or by use of a certified air pressure tip gauge. [District Rule 4603 and 4606] Federally Enforceable Through Title V Permit
16. 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 and 4606] Federally Enforceable Through Title V Permit
17. 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
18. 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 Rule 4603] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records on a daily basis 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; VOC content (lb/gal or grams/liter); for dip coating operations, viscosity (cSt) of the coating; the quantity of each type of coating used; current manufacturer specification sheets, material safety data sheets (MSDS), technical data sheets, or air quality data sheets that list the VOC content of each ready to spray coating; purchase records identifying the coating type, name, and volume of coatings bought; and the quantity of cleanup solvent used (gallons). [District Rule 4603] Federally Enforceable Through Title V Permit
20. Permittee shall maintain a current list of coatings, inks, adhesives, and solvents in use which provides all of the data necessary to evaluate compliance, including the following information, as applicable: identify coatings, catalysts, reducers, inks, adhesives and solvents; manufacturer's recommended mix ratio of components; VOC content of coatings, as applied; VOC content of solvents; VOC content of inks, as applied; and VOC content of adhesives, as applied. [District Rule 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.

21. Permittee shall maintain records on a daily basis that provide the following information, as applicable: coating and mix ratio of components in the coating used; quantity of each coating applied; identification of coating category; identification and quantity of each ink used; identification and quantity of each adhesive used; and type and amount of solvent used for cleanup and surface preparation. [District Rule 4606] Federally Enforceable Through Title V Permit
22. Permittee shall keep the following records for solvent cleaning activities: manufacturers product data sheet or MSDS of solvents used, VOC content of solvents in g/l or lb/gal, and the type of cleaning activity for which each solvent is used. [District Rule 4606] Federally Enforceable Through Title V Permit
23. On a monthly basis, the permittee shall calculate and record the total monthly VOC emissions in pounds from this unit for the prior calendar month. [District Rule 2520] Federally Enforceable Through Title V Permit
24. Monthly VOC emissions of each coating, primer, and/or solvent used shall be calculated as follows: monthly VOC emissions = VOC content (lb/gallon) as applied x usage (gallon/month). Total monthly VOC emissions is the sum of VOC emissions from all coatings, primer, and/or solvents used. [District Rule 2520] Federally Enforceable Through Title V Permit
25. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rule 2520, 9.4.2, 4603, and 4606] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-32-7

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

8.1 MMBTU/HR CLAYTON INDUSTRIES MODEL SLG-204-2-LNG NATURAL GAS-FIRED BOILER WITH A LOW NOX BURNER

## PERMIT UNIT REQUIREMENTS

1. Operation of the unit is not authorized until modifications are made to comply with District Rules as authorized by an Authority to Construct. [District Rule 2010] Federally Enforceable Through Title V Permit
2. The fuel line shall be physically disconnected from this unit. [District Rule 2080] Federally Enforceable Through Title V Permit
3. While dormant, normal source testing shall not be required. [District Rule 2080] Federally Enforceable Through Title V Permit
4. Pursuant to Rule 4320 (10/16/2008), beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320] Federally Enforceable Through Title V Permit
5. 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
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
7. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
8. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
9. Maximum annual heat input of the unit shall not exceed 9 billion Btu per calendar year. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
10. On and after July 1, 2012, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year, or shall maintain valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts that document the sulfur content of the natural gas used to fuel the unit. [District Rule 4320] Federally Enforceable Through Title V Permit
11. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 12 ppmv NOx @ 3% O2 or 0.014 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.003 lb-PM10/MMBtu, 30 ppmv CO @ 3% O2 or 0.022 lb-CO/MMBtu, or 0.006 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] 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. Owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rule 4306] Federally Enforceable Through Title V Permit
13. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rule 4306] Federally Enforceable Through Title V Permit
14. The permittee shall monitor, at least on a monthly basis, the amount of water use, the amount of unit blow down, and the exhaust stack temperature or other operational characteristics recommended by the unit manufacturer. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
15. Records of monthly and annual heat input of the unit shall be maintained. [District Rules 2201, 4305, 4306, and 4320] Federally Enforceable Through Title V Permit
16. Records of tune-up and monitoring of the operational characteristics of the unit shall be maintained. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
17. 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 1070, 4305, 4306, 4320] 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-214-45-4

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

METAL PARTS AND PRODUCTS COATING OPERATION WITH HVLP SPRAY GUN, PAINT SPRAY BOOTH WITH EXHAUST FILTERS, SPRAY GUN CLEANER, AND 1.75 MMBTU/HR DRYING OVEN

## PERMIT UNIT REQUIREMENTS

1. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Annual records of the combined total emissions from units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOC emissions from this booth shall not exceed 16.8 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Drying oven shall operate for no more than 2.8 hours per day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
8. 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 degrees 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 degrees 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
9. 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: 420 g/l (3.5 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 topcoat: 360 g/l (3.0 lb/gal), pretreatment wash primer: 420 g/l (3.5 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.

10. 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 topcoat: 420 g/l (3.5 lb/gal), pretreatment wash primer: 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
11. Permittee shall demonstrate that HVLP guns manufactured prior to 1/1/96 operate between 0.1 and 10 psig air atomizing pressure, by manufacturer's published technical material or by use of a certified air pressure tip gauge. [District Rule 4603] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily records of the start time and stop time of the natural gas fired dryer, and the daily cumulative hours and minutes of operation. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Permittee shall keep the following records for solvent cleaning activities: manufacturers product data sheet or MSDS of solvents used, VOC content of solvents in g/l or lb/gal, and the type of cleaning activity for which each solvent is used. [District Rule 4603] Federally Enforceable Through Title V Permit
14. 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
15. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush or continuous 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
16. 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
17. 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
18. 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 Rule 4603] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records on a daily basis 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; VOC content (lb/gal or grams/liter); for dip coating operations, viscosity (cSt) of the coating; the quantity of each type of coating used; current manufacturer specification sheets, material safety data sheets (MSDS), technical data sheets, or air quality data sheets that list the VOC content of each ready to spray coating; purchase records identifying the coating type, name, and volume of coatings bought; and the quantity of cleanup solvent used (gallons). [District Rule 4603]
20. On a monthly basis, the permittee shall calculate and record the total monthly VOC emissions in pounds from this unit for the prior calendar month. [District Rule 2520] Federally Enforceable Through Title V Permit
21. Monthly VOC emissions of each coating, primer, and/or solvent used shall be calculated as follows: monthly VOC emissions = VOC content (lb/gallon) as applied x usage (gallon/month). Total monthly VOC emissions is the sum of VOC emissions from all coatings, primer, and/or solvents used. [District Rule 2520] 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. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request.  
[District Rules 2520, 9.4.2 and 4603] 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-214-46-3

**EXPIRATION DATE:** 08/31/2017

## **EQUIPMENT DESCRIPTION:**

GASOLINE DISPENSING OPERATION WITH ONE 12,000 GALLON SPLIT (8,000 GALLON GASOLINE/4,000 GALLON DIESEL) FIREGUARD ABOVEGROUND STORAGE TANK SERVED BY MORRISON BROTHERS EVR PHASE I VAPOR RECOVERY SYSTEM (VR-402-B), STANDING LOSS CONTROL (VR-301-E), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162-A)

## **PERMIT UNIT REQUIREMENTS**

1. Facilities C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Annual records of the combined total emissions from units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The Phase I, Phase II, and Standing Loss Control Vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rules 4621 and 4622 and CH&SC 41950] Federally Enforceable Through Title V Permit
6. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4622] Federally Enforceable Through Title V Permit
7. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
8. The Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
9. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rules 4621 and 4622] 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.

10. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit
11. No person shall operate any ARB certified Phase II vapor recovery system or any portion thereof that has a major defect or an equipment defect that is identified in any applicable ARB Executive Order until the following conditions have been met: 1) the defect has been repaired, replaced, or adjusted as necessary to correct the defect; 2) the District has been notified, and the District has reinspected the system or authorized the system for use (such authorization shall not include the authority to operate the equipment prior to the correction of the defective components); and 3) all major defects, after repair, are duly entered into the Operations and Maintenance (O&M) manual. [District Rule 4622] Federally Enforceable Through Title V Permit
12. Upon identification of any major defects, the permittee shall tag "Out-of-Order" all dispensing equipment for which vapor recovery has been impaired. Tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary. In the case of defects identified by the District, tagged equipment shall be rendered inoperable, and the tag shall not be removed until the District has been notified of the repairs, and the District has either reinspected the system or authorized the tagged equipment for use. [District Rule 4622] Federally Enforceable Through Title V Permit
13. The permittee shall implement a periodic maintenance inspection program for the certified Phase II vapor recovery system consistent with the requirements of this permit. The program shall be documented in an operation and maintenance (O&M) manual and shall at a minimum contain the following information: 1) copies of all vapor recovery performance tests; 2) all applicable ARB Executive Orders, Approval Letters, and District Permits; 3) the manufacturer's specifications and instructions for installation, operation, repair, and maintenance required pursuant to ARB Certification Procedure CP-201, and any additional instruction provided by the manufacturer; 4) system and/or component testing requirements, including test schedules and passing criteria for each of the standard tests required by this permit (the owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements), and 5) additional O&M instructions, if any, that are designed to ensure compliance with the applicable rules, regulations, ARB Executive Orders, and District permit conditions, including replacement schedules for failure or wear prone components. [District Rule 4622] Federally Enforceable Through Title V Permit
14. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
15. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621] Federally Enforceable Through Title V Permit
16. Periodic maintenance inspections of the Phase II vapor recovery system shall include, at a minimum, verification that 1) the following nozzle components are in place and in good condition as specified in ARB Executive Order as applicable: faceplate/facecone, bellows, latching device spring, vapor check valve, spout (proper diameter/vapor collection holes), insertion interlock mechanism, automatic shut-off mechanism, and hold open latch (unless prohibited by law or the local fire control authority); 2) the hoses are not torn, flattened or crimped; 3) the vapor path of the coaxial hoses associated with bellows equipped nozzles does not contain more than 100 ml of liquid if applicable; and 4) the vapor processing unit is functioning properly, for operations that are required to have or possess such a unit. [District Rule 4622] 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.

17. In the event of a separation due to a drive off, the permittee shall, unless otherwise specified in the applicable ARB Executive Order, conduct a visual inspection of the affected equipment and either 1) perform qualified repairs on any damaged components and conduct applicable re-verification tests pursuant to the requirements of this permit, or 2) replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified. The activities shall be documented in accordance with the requirements of this permit before placing the affected equipment back in service. [District Rule 4622] Federally Enforceable Through Title V Permit
18. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
19. The permittee shall perform and pass a Static Leak Test "Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Tanks" in accordance with the Executive Order specified in this permit for the Phase I Vapor Recovery System at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
20. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6C Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid, or as required by the applicable ARB Executive Order. The amount of liquid in the vapor path shall be measured by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. The vapor path shall be inspected according to the monitoring frequency as determined by monthly gasoline throughput. [District Rule 4622] Federally Enforceable Through Title V Permit
21. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
22. A person performing installation of, or maintenance on, a certified Phase I or Phase II vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
23. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
24. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
25. The permittee shall maintain a copy of all test results. The test results shall be dated and shall contain the name, address, and telephone number of the company responsible for system installation and testing. [District Rule 4622] Federally Enforceable Through Title V Permit
26. The permittee shall maintain on the premises a log of any repairs made to the certified Phase I or Phase II vapor recovery system. The repair log shall include the following: 1) date and time of each repair; 2) the name and applicable certification numbers of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer; 3) description of service performed; 4) each component that was repaired, serviced, or removed; 5) each component that was installed as replacement, if applicable; and 6) receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622] Federally Enforceable Through Title V Permit
27. The O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request. [District Rule 4622] Federally Enforceable Through Title V Permit
28. The permittee shall maintain monthly and annual gasoline throughput records. [District Rules 4621 and 4622] 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.

29. On a monthly basis, the permittee shall calculate and record the total monthly VOC emissions in pounds from this unit for the prior calendar month. [District Rule 2520] Federally Enforceable Through Title V Permit
30. Monthly VOC emissions from this gasoline dispensing operation shall be calculated as follows: monthly VOC emissions = amount of gasoline dispensed (gallon-dispensed/month) x 1.063 lb-VOC/1,000 gallons- dispensed (or using the most recent District-approved VOC emission factor for this operation). [District Rule 2520] Federally Enforceable Through Title V Permit
31. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rules 2520, 9.4.2, 4621, and 4622] 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-214-47-1

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

METAL CUTTING OPERATION WITH CONTROLLED AUTOMATION MODEL PLASMAX 6 X 12 CNC CUTTING SYSTEM EQUIPPED WITH A 19.7 KVA POWER SUPPLY AND MODEL HPR130XD PLASMA ARC CUTTING TORCH SERVED BY A CAMFIL FARR MODEL GS12 DUST COLLECTOR

## PERMIT UNIT REQUIREMENTS

1. Visible emissions from dust collector serving plasma cutter shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. The dust collector shall provide 99.9% or better control efficiency (HEPA Filter or equivalent). [District Rule 2201] 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. PM10 emissions shall not exceed 0.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall maintain records of daily PM10 emissions using the following equation: Daily Emissions (lb/day) =  $[a \times b \times c \times d \times e \times 0.15 \times 0.001]$ , where a = Cutting Speed (inch/min), b = Material Thickness (inch), c = Kerf Width (inch), and d = Material Density (lb/in<sup>3</sup>), e = Time Spent Cutting (min/day). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Plasma cutting operation shall only cut carbon steel. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
7. All plasma cutting shall be conducted with the dust collector operating, in good operating order, and filters in place. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The dust collector shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The dust collector cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Material removed from the dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. A spare set of filters shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The dust collector shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The dust collector shall operate at all times with a minimum differential pressure of 0.5 inches water column and a maximum differential pressure of 6 inches water column. [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. Differential operating pressure shall be monitored and recorded on each day that the dust collector operates. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of all maintenance of the dust collector, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Visible emissions shall be evaluated during operation at least once per calendar year using EPA Method 22. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520, 9.3] Federally Enforceable Through Title V Permit
17. Records of visible emission evaluations, a description of any corrective action taken to eliminate visible emissions, and dust collector repairs shall be maintained. The records shall include identification of the equipment, date of the evaluation, and identification of the individual performing the evaluation. [District Rule 2520, 9.4.1]
18. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 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.

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# ATTACHMENT B

Previous Title V Operating Permit

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# Permit to Operate

**FACILITY:** C-214

**EXPIRATION DATE:** 08/31/2017

**LEGAL OWNER OR OPERATOR:**  
**MAILING ADDRESS:**

CALIF STATE PRISON - CORCORAN  
ATTN: BUSINESS SERV  
PO BOX 8800  
CORCORAN, CA 93212-8800

**FACILITY LOCATION:**

4001 KING AVE  
CORCORAN, CA 93212

**FACILITY DESCRIPTION:**

CORRECTIONAL INSTITUTION

The Facility's Permit to Operate may include Facility-wide Requirements as well as requirements that apply to specific permit units.

This Permit to Operate remains valid through the permit expiration date listed above, subject to payment of annual permit fees and compliance with permit conditions and all applicable local, state, and federal regulations. This permit is valid only at the location specified above, and becomes void upon any transfer of ownership or location. Any modification of the equipment or operation, as defined in District Rule 2201, will require prior District approval. This permit shall be posted as prescribed in District Rule 2010.

**Seyed Sadredin**  
Executive Director / APCO

**Arnaud Marjollet**  
Director of Permit Services

# San Joaquin Valley Air Pollution Control District

FACILITY: C-214-0-2

EXPIRATION DATE: 08/31/2017

## 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 and Kings County Rule 111] 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 and Kings County Rule 111] 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: CALIF STATE PRISON - CORCORAN  
Location: 4001 KING AVE, CORCORAN, CA 93212

C-214-0-2 : Jun 7 2018 2:00PM - NORMANR

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] 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. On October 31, 2012, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, 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
40. 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-214-1-3

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

188 BHP DETROIT DIESEL MODEL DDFPO4AT-7008 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP (LOCATED IN BUILDING 213)

## PERMIT UNIT REQUIREMENTS

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1. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] Federally Enforceable Through Title V Permit
2. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [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. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), 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 Rules 2201, 40 CFR 63.6640(a), and 4702] Federally Enforceable Through Title V Permit
7. 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
8. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] 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. For units at unstaffed sites or operated remotely, records may be maintained and retained at a District-approved off-site location. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [2520, 9.3.2 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. 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
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, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). 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, 40 CFR 63.6655(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. On and after May 3, 2013, the permittee 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
14. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] 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-214-3-4

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

WOODWORKING OPERATION INCLUDING: (1) BELT SANDER, (1) PLANER, (1) TABLE SAW, (1) COMPOUND MITER SAW, (1) BAND SAW, EACH SERVED BY A KUFO MODEL UFO-101C DUST COLLECTOR (LOCATED IN BLDG 311A)

## PERMIT UNIT REQUIREMENTS

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1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. 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]
4. Visible emissions from the exhaust of the dust collector serving the woodworking operation shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rule 2201]
5. Dust collector exhaust fan(s) shall be switched on prior to the start-up of any woodworking equipment. [District Rule 2201]
6. All ducting and control equipment shall be in good working order to prevent fugitive particulate emissions. [District Rule 2201]
7. All filters shall be properly maintained and must be in place during the woodworking operation(s). [District Rule 2201]
8. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Each dust collector cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201]
10. A spare set of bags shall be maintained on the premises at all times. [District Rule 2201]
11. All equipment shall be constructed, maintained and operated according to the specifications and plans contained in the permit application except as otherwise specified herein. [District Rule 2201] Federally Enforceable Through Title V Permit
12. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
13. PM10 emissions from the dust collector shall not exceed 0.003 gr/dscf. [District Rule]
14. Records of all maintenance of the dust collector, including all change outs of filter media, shall be maintained. [District Rule 2201]
15. All records shall be retained for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 1070]

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

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-4-7

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

43 MMBTU/HR CLEAVER BROOKS MODEL #D-60E (#1) NATURAL GAS-FIRED BOILER WITH FUEL OIL #2 AS BACK-UP FUEL, A CLEAVER BROOKS MODEL NTS420LGS-09S-1P LOW NOX BURNER, AND FLUE GAS RECIRCULATION (FGR) SYSTEM

## PERMIT UNIT REQUIREMENTS

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1. Facility C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214, C-956, and C-4352 shall not exceed 25 tons/year based on a 12-month rolling basis. [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. The unit shall only be fired on PUC-regulated natural gas as the primary fuel and fuel oil #2 as the back-up fuel. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. Sulfur content of fuel oil #2 shall not exceed 0.0015% by weight. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
7. The unit shall only be fired on fuel oil #2 as a back-up fuel during natural gas curtailment or equipment testing, and for no more than 48 cumulative hours in a calendar year. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
8. If the unit is fired on fuel oil #2 as a back-up fuel for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NOx at least once during that year using an APCO approved portable NOx analyzer. Monitoring for back-up fuel NOx emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on back-up fuel solely to perform monitoring. [District Rule 4306] Federally Enforceable Through Title V Permit
9. Back-up fuel NOx emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4306] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of: (1) the date and time of back-up fuel NOx measurements, (2) the measured back-up fuel NOx concentration (in ppmv or lb/MMBtu) corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4306] 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
12. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel oil #2 combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
13. The combined annual heat inputs of units C-214-4 and -5 shall not exceed 224 billion Btu per calendar year. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
14. When fired on natural gas, emissions rates from the unit shall not exceed any of the following limits: 9 ppmv NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.011 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.001 lb-PM<sub>10</sub>/MMBtu, 150 ppmv CO @ 3% O<sub>2</sub> or 0.11 lb-CO/MMBtu, or 0.0036 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
15. When fired on fuel oil #2, emissions rates from the unit shall not exceed any of the following limits: 86 ppmv NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.11 lb-NO<sub>x</sub>/MMBtu, 0.0016 lb-SO<sub>x</sub>/MMBtu, 0.009 lb-PM<sub>10</sub>/MMBtu, 180 ppmv CO @ 3% O<sub>2</sub> or 0.14 lb-CO/MMBtu, or 0.0044 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
17. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
18. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
20. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] 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. Source testing to measure natural gas-combustion NOx and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
22. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. NOx emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
25. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
26. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
27. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
28. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
29. Records of monthly and combined annual heat input (MMBtu) when fired on natural gas shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
30. Records of monthly and annual heat input (MMBtu) when fired on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
31. Records of daily and annual backup fuel consumption consisting of the date the boiler operated on fuel oil #2 as backup fuel and the amount of time the boiler was operated, in hours, on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
32. The permittee shall monitor and record the cumulative annual hours of operation when fired on fuel oil #2 during curtailment and testing. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
33. 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 1070, 4305, and 4306] Federally Enforceable Through Title V Permit
34. The operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320 (10/16/08). [District Rule 4320] 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-214-5-7

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

27 MMBTU/HR CLEAVER BROOKS MODEL D42 (#2) NATURAL GAS-FIRED BOILER WITH A CLEAVER BROOKS MODEL NTS294LGS-09S-1P LOW NOX BURNER, A FLUE GAS RECIRCULATION (FGR) SYSTEM, AND FUEL OIL #2 AS BACK-UP FUEL

## PERMIT UNIT REQUIREMENTS

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1. Facility C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214, C-956, and C-4352 shall not exceed 25 tons/year based on a 12-month rolling basis. [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. The unit shall only be fired on PUC-regulated natural gas as the primary fuel and fuel oil #2 as the back-up fuel. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. Sulfur content of fuel oil #2 shall not exceed 0.0015% by weight. [District Rule 2201 and 4320] Federally Enforceable Through Title V Permit
7. The unit shall only be fired on fuel oil #2 as a back-up fuel during natural gas curtailment or equipment testing, and for no more than 48 cumulative hours in a calendar year. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
8. If the unit is fired on fuel oil #2 as a back-up fuel for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NOx at least once during that year using an APCO approved portable NOx analyzer. Monitoring for back-up fuel NOx emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on back-up fuel solely to perform monitoring. [District Rule 4306] Federally Enforceable Through Title V Permit
9. Back-up fuel NOx emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4306] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of: (1) the date and time of back-up fuel NOx measurements, (2) the measured back-up fuel NOx concentration (in ppmv or lb/MMBtu) corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4306] 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. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
12. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel oil #2 combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
13. The combined annual heat inputs of units C-214-4 and -5 shall not exceed 224 billion Btu per calendar year. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
14. When fired on natural gas, emissions rates from the unit shall not exceed any of the following limits: 9 ppmv NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.011 lb-NO<sub>x</sub>/MMBtu, 0.00285 lb-SO<sub>x</sub>/MMBtu, 0.001 lb-PM<sub>10</sub>/MMBtu, 150 ppmv CO @ 3% O<sub>2</sub> or 0.11 lb-CO/MMBtu, or 0.0040 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
15. When fired on fuel oil #2, emissions rates from the unit shall not exceed any of the following limits: 94 ppmv NO<sub>x</sub> @ 3% O<sub>2</sub> or 0.12 lb-NO<sub>x</sub>/MMBtu, 0.0016 lb-SO<sub>x</sub>/MMBtu, 0.009 lb-PM<sub>10</sub>/MMBtu, 180 ppmv CO @ 3% O<sub>2</sub> or 0.14 lb-CO/MMBtu, or 0.0047 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
17. If either the NO<sub>x</sub> or CO concentrations corrected to 3% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emissions concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 1 hour of operation after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 1 hour of operation after detection, the permittee shall notify the District within the following 1 hour and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate a violation has occurred, subject to enforcement action. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of performing the notification and testing required by this condition. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
18. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 3% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
20. All emissions measurements shall be made with the unit operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. No determination of compliance shall be established within two hours after a continuous period in which fuel flow to the unit is shut off for 30 minutes or longer, or within 30 minutes after a re-ignition as defined in Section 3.0 of District Rule 4306. [District Rules 4305 and 4306] 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. Source testing to measure natural gas-combustion NO<sub>x</sub> and CO emissions from this unit shall be conducted at least once every twelve (12) months. After demonstrating compliance on two (2) consecutive annual source tests, the unit shall be tested not less than once every thirty-six (36) months. If the result of the 36-month source test demonstrates that the unit does not meet the applicable emission limits, the source testing frequency shall revert to at least once every twelve (12) months. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
22. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
24. NO<sub>x</sub> emissions for source test purposes shall be determined using EPA Method 7E or ARB Method 100 on a ppmv basis, or EPA Method 19 on a heat input basis. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
25. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
26. Stack gas oxygen (O<sub>2</sub>) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
27. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit. [District Rules 4305 and 4306] Federally Enforceable Through Title V Permit
28. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081] Federally Enforceable Through Title V Permit
29. Records of monthly and combined annual heat input (MMBtu) when fired on natural gas shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
30. Records of monthly and annual heat input (MMBtu) when fired on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
31. Records of daily and annual backup fuel consumption consisting of the date the boiler operated on fuel oil #2 as backup fuel and the amount of time the boiler was operated, in hours, on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
32. The permittee shall monitor and record the cumulative annual hours of operation when fired on fuel oil #2 during curtailment and testing. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
33. 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 1070, 4305, and 4306] Federally Enforceable Through Title V Permit
34. The operator shall pay an annual emission fee to the District for NO<sub>x</sub> emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NO<sub>x</sub> emission limit listed in Rule 4320 (10/16/08). [District Rule 4320] 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-214-9-3

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 210)

## PERMIT UNIT REQUIREMENTS

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1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] 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. 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
6. Emissions shall not exceed 238.6 lb CO/day, 1102 lb NOx/day, 39.4 lb PM10/day, 73.3 lb SOx/day, nor 88.3 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, 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, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] 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 63.6640(a)] 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

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, 40 CFR 63.6655(f), 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. 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
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
15. On and after May 3, 2013, the permittee 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] 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-214-10-3

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 210)

## PERMIT UNIT REQUIREMENTS

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1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NO<sub>x</sub> from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] 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. 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
6. Emissions shall not exceed 238.6 lb CO/day, 1102 lb NO<sub>x</sub>/day, 39.4 lb PM<sub>10</sub>/day, 73.3 lb SO<sub>x</sub>/day, nor 88.3 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, 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, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] 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 63.6640(a)] 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

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, 40 CFR 63.6655(f), 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. 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
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
15. On and after May 3, 2013, the permittee 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] 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-214-11-3

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 201)

## PERMIT UNIT REQUIREMENTS

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1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] 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. 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
6. Emissions shall not exceed 238.6 lb CO/day, 1102 lb NOx/day, 39.4 lb PM10/day, 73.3 lb SOx/day, nor 88.3 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, 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, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] 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 63.6640(a)] 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

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, 40 CFR 63.6655(f), 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. 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
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
15. On and after May 3, 2013, the permittee 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] 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-214-12-3

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

1,593 BHP CATERPILLAR MODEL 3512 DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED AT HOSPITAL)

## PERMIT UNIT REQUIREMENTS

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1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] 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. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District Rule 2201] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] 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 63.6640(a)] Federally Enforceable Through Title V Permit
8. 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
9. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 40 hours per calendar year. [District Rule 4702, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] 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

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, 40 CFR 63.6655(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. 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
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
15. On and after May 3, 2013, the permittee 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] 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-214-13-3

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

390 BHP CUMMINS MODEL NT855G3 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 212)

## PERMIT UNIT REQUIREMENTS

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1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] 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 shall not exceed 62.4 lb CO/day, 288 lb NOx/day, 10.3 lb PM10/day, 19.2 lb SOx/day, nor 23.0 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] 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 63.6640(a)] Federally Enforceable Through Title V Permit
8. 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
9. This engine shall be operated only for maintenance, testing, 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, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] 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

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, 40 CFR 63.6655(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. 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
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
15. On and after May 3, 2013, the permittee 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. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] 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-214-15-3

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

WOODWORKING OPERATION INCLUDING: (2) BELT SANDERS, (1) PLANER, (1) LATHE, (1) PANEL SAW, (1) JOINTER, (1) ROUTER, (1) TABLE SAW, ABD (1) RADIAL ARM SAW ALL SERVED BY A 7,000 CFM STERNVENT MODEL CYH 3630-76 DUST COLLECTOR WITH A 36" DIAMETER CYCLONE

## PERMIT UNIT REQUIREMENTS

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1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Airflow through the ducting shall be maintained at a level sufficient to collect the dust typically generated by each piece of equipment served by that ducting. [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. Visible emissions from the source operation shall be evaluated using EPA method 22 once per calendar year. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520] Federally Enforceable Through Title V Permit
6. Annual records of visible emissions monitoring results shall be maintained and retained on the premises for a period of at least 5 years and made available for District inspection upon request. [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-214-16-6

EXPIRATION DATE: 08/31/2017

## EQUIPMENT DESCRIPTION:

WOOD AND METAL PARTS COATING OPERATION USING BRUSHES AND ROLLERS (BLDG 309C)

## PERMIT UNIT REQUIREMENTS

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1. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Annual records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOC emissions from this booth shall not exceed 40.0 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [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 degrees 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 degrees 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: 420 g/l (3.5 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 topcoat: 360 g/l (3.0 lb/gal), pretreatment wash primer: 420 g/l (3.5 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
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 topcoat: 420 g/l (3.5 lb/gal), pretreatment wash primer: 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.

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 materials for wood products, as applied, 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. 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 and 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush or continuous coating application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rule 4603 and 4606] Federally Enforceable Through Title V Permit
15. Permittee shall demonstrate that HVLP guns manufactured prior to 1/1/96 operate between 0.1 and 10 psig air atomizing pressure, by manufacturer's published technical material or by use of a certified air pressure tip gauge. [District Rule 4603 and 4606] Federally Enforceable Through Title V Permit
16. 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 and 4606] Federally Enforceable Through Title V Permit
17. 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
18. 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 Rule 4603] Federally Enforceable Through Title V Permit
19. 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 Rule 4603] Federally Enforceable Through Title V Permit
20. Permittee shall maintain a current list of coatings, inks, adhesives, and solvents in use which provides all of the data necessary to evaluate compliance, including the following information, as applicable: identify coatings, catalysts, reducers, inks, adhesives and solvents; manufacturer's recommended mix ratio of components; VOC content of coatings, as applied; VOC content of solvents; VOC content of inks, as applied; and VOC content of adhesives, as applied. [District Rule 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain records on a daily basis that provide the following information, as applicable: coating and mix ratio of components in the coating used; quantity of each coating applied; identification of coating category; identification and quantity of each ink used; identification and quantity of each adhesive used; and type and amount of solvent used for cleanup and surface preparation. [District Rule 4606] 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. Permittee shall keep the following records for solvent cleaning activities: manufacturers product data sheet or MSDS of solvents used, VOC content of solvents in g/l or lb/gal, and the type of cleaning activity for which each solvent is used. [District Rule 4606] Federally Enforceable Through Title V Permit
23. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rule 4603 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-214-32-6

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

8.1 MMBTU/HR CLAYTON INDUSTRIES MODEL SLG-204-2-LNG NATURAL GAS-FIRED BOILER WITH A LOW NOX BURNER

## PERMIT UNIT REQUIREMENTS

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1. Operation of the unit is not authorized until modifications are made to comply with District Rules as authorized by an Authority to Construct. [District Rule 2010]
2. The fuel line shall be physically disconnected from the unit. [District Rule 2080]
3. While dormant, normal source testing shall not be required. [District Rule 2080]
4. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320]
5. 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]
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
7. 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]
8. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
9. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201]
10. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306]
11. Maximum annual heat input of the unit shall not exceed 9 billion Btu per calendar year. [District Rules 2201, 4305, and 4306]
12. On and after July 1, 2012, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320]
13. Emissions from the natural gas-fired unit shall not exceed any of the following limits: 12 ppmv NOx @ 3% O2 or 0.014 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.003 lb-PM10/MMBtu, 30 ppmv CO @ 3% O2 or 0.022 lb-CO/MMBtu, or 0.006 lb-VOC/MMBtu. [District Rules 2201, 4305, and 4306]
14. Owner/operator shall have unit tuned at least twice each calendar year, from four to eight months apart, in which it operates, by a technician that is qualified, to the satisfaction of the APCO, in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). [District Rule 4306]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. If the unit does not operate throughout a continuous six-month period within a calendar year, only one tune-up is required for that calendar year. No tune-up is required for any unit that is not operated during that calendar year; this unit may be test fired to verify availability of the unit for its intended use, but once the test firing is completed the unit shall be shutdown. [District Rule 4306]
16. The permittee shall monitor, at least on a monthly basis, the amount of water use, the amount of unit blow down, and the exhaust stack temperature or other operational characteristics recommended by the unit manufacturer. Monitoring shall not be required if the unit is not in operation, i.e. the unit need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the unit unless monitoring has been performed within the last month. [District Rules 4305 and 4306]
17. Records of monthly and annual heat input of the unit shall be maintained. [District Rules 2201, 4305, and 4306]
18. Records of tune-up and monitoring of the operational characteristics of the unit shall be maintained. [District Rules 4305 and 4306]
19. 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 1070, 4305, and 4306]

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



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-214-45-3

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

METAL PARTS AND PRODUCTS COATING OPERATION WITH HVLP SPRAY GUN, PAINT SPRAY BOOTH WITH EXHAUST FILTERS, SPRAY GUN CLEANER, AND 1.75 MMBTU/HR DRYING OVEN

## PERMIT UNIT REQUIREMENTS

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1. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Annual records of the combined total emissions from units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOC emissions from this booth shall not exceed 16.8 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Drying oven shall operate for no more than 2.8 hours per day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
8. 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 degrees 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 degrees 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
9. 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: 420 g/l (3.5 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 topcoat: 360 g/l (3.0 lb/gal), pretreatment wash primer: 420 g/l (3.5 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.

10. 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 topcoat: 420 g/l (3.5 lb/gal), pretreatment wash primer: 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
11. Permittee shall demonstrate that HVLP guns manufactured prior to 1/1/96 operate between 0.1 and 10 psig air atomizing pressure, by manufacturer's published technical material or by use of a certified air pressure tip gauge. [District Rule 4603] Federally Enforceable Through Title V Permit
12. Permittee shall maintain daily records of the start time and stop time of the natural gas fired dryer, and the daily cumulative hours and minutes of operation. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Permittee shall keep the following records for solvent cleaning activities: manufacturers product data sheet or MSDS of solvents used, VOC content of solvents in g/l or lb/gal, and the type of cleaning activity for which each solvent is used. [District Rule 4603] Federally Enforceable Through Title V Permit
14. 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
15. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush or continuous 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
16. 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
17. 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
18. 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 Rule 4603] Federally Enforceable Through Title V Permit
19. 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 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 4603] 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-214-46-2

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

GASOLINE DISPENSING OPERATION WITH ONE 12,000 GALLON SPLIT (8,000 GALLON GASOLINE/4,000 GALLON DIESEL) FIREGUARD ABOVEGROUND STORAGE TANK SERVED BY MORRISON BROTHERS EVR PHASE I VAPOR RECOVERY SYSTEM (VR-402-B), STANDING LOSS CONTROL (VR-301-E), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162-A)

## PERMIT UNIT REQUIREMENTS

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1. Facility C-214 and facility C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Annual records of the combined total emissions from units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained based on a 12-month rolling basis. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The Phase I, Phase II, and Standing Loss Control Vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rules 4621 and 4622 and CH&SC 41950] Federally Enforceable Through Title V Permit
6. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4622] Federally Enforceable Through Title V Permit
7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
8. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
9. The Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
10. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rules 4621 and 4622] 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. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit
12. No person shall operate any ARB certified Phase II vapor recovery system or any portion thereof that has a major defect or an equipment defect that is identified in any applicable ARB Executive Order until the following conditions have been met: 1) the defect has been repaired, replaced, or adjusted as necessary to correct the defect; 2) the District has been notified, and the District has reinspected the system or authorized the system for use (such authorization shall not include the authority to operate the equipment prior to the correction of the defective components); and 3) all major defects, after repair, are duly entered into the Operations and Maintenance (O&M) manual. [District Rule 4622] Federally Enforceable Through Title V Permit
13. Upon identification of any major defects, the permittee shall tag "Out-of-Order" all dispensing equipment for which vapor recovery has been impaired. Tagged equipment shall be rendered inoperable and the tag(s) shall not be removed until the defective equipment has been repaired, replaced, or adjusted, as necessary. In the case of defects identified by the District, tagged equipment shall be rendered inoperable, and the tag shall not be removed until the District has been notified of the repairs, and the District has either reinspected the system or authorized the tagged equipment for use. [District Rule 4622] Federally Enforceable Through Title V Permit
14. The permittee shall implement a periodic maintenance inspection program for the certified Phase II vapor recovery system consistent with the requirements of this permit. The program shall be documented in an operation and maintenance (O&M) manual and shall at a minimum contain the following information: 1) copies of all vapor recovery performance tests; 2) all applicable ARB Executive Orders, Approval Letters, and District Permits; 3) the manufacturer's specifications and instructions for installation, operation, repair, and maintenance required pursuant to ARB Certification Procedure CP-201, and any additional instruction provided by the manufacturer; 4) system and/or component testing requirements, including test schedules and passing criteria for each of the standard tests required by this permit (the owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements), and 5) additional O&M instructions, if any, that are designed to ensure compliance with the applicable rules, regulations, ARB Executive Orders, and District permit conditions, including replacement schedules for failure or wear prone components. [District Rule 4622] Federally Enforceable Through Title V Permit
15. The permittee shall conduct periodic maintenance inspections based on the greatest monthly throughput of gasoline dispensed by the facility in the previous year as follows: A) less than 2,500 gallons - one day per month; B) 2,500 to less than 25,000 gallons - one day per week; or C) 25,000 gallons or greater - five days per week. All inspections shall be documented within the O & M Manual. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
16. Periodic maintenance inspections of the Phase I vapor recovery system shall include, at a minimum, verification that 1) the fill caps and vapor caps are not missing, damaged, or loose; 2) the fill cap gasket and vapor cap gaskets are not missing or damaged; 3) the fill adapter and vapor adapter are securely attached to the risers; 4) where applicable, the spring-loaded submerged fill tube seals properly against the coaxial tubing; 5) the dry break (poppet-valve) is not missing or damaged; and 6) the submerged fill tube is not missing or damaged. [District Rule 4621] Federally Enforceable Through Title V Permit
17. Periodic maintenance inspections of the Phase II vapor recovery system shall include, at a minimum, verification that 1) the following nozzle components are in place and in good condition as specified in ARB Executive Order as applicable: faceplate/facecone, bellows, latching device spring, vapor check valve, spout (proper diameter/vapor collection holes), insertion interlock mechanism, automatic shut-off mechanism, and hold open latch (unless prohibited by law or the local fire control authority); 2) the hoses are not torn, flattened or crimped; 3) the vapor path of the coaxial hoses associated with bellows equipped nozzles does not contain more than 100 ml of liquid if applicable; and 4) the vapor processing unit is functioning properly, for operations that are required to have or possess such a unit. [District Rule 4622] 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.

18. In the event of a separation due to a drive off, the permittee shall, unless otherwise specified in the applicable ARB Executive Order, conduct a visual inspection of the affected equipment and either 1) perform qualified repairs on any damaged components and conduct applicable re-verification tests pursuant to the requirements of this permit, or 2) replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified. The activities shall be documented in accordance with the requirements of this permit before placing the affected equipment back in service. [District Rule 4622] Federally Enforceable Through Title V Permit
19. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
20. The permittee shall perform and pass a Static Leak Test "Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Tanks" in accordance with the Executive Order specified in this permit for the Phase I Vapor Recovery System at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
21. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6C Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid, or as required by the applicable ARB Executive Order. The amount of liquid in the vapor path shall be measured by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. The vapor path shall be inspected according to the monitoring frequency as determined by monthly gasoline throughput. [District Rule 4622] Federally Enforceable Through Title V Permit
22. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
23. A person performing installation of, or maintenance on, a certified Phase I or Phase II vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
24. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
25. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
26. The permittee shall maintain a copy of all test results. The test results shall be dated and shall contain the name, address, and telephone number of the company responsible for system installation and testing. [District Rule 4622] Federally Enforceable Through Title V Permit
27. The permittee shall maintain on the premises a log of any repairs made to the certified Phase I or Phase II vapor recovery system. The repair log shall include the following: 1) date and time of each repair; 2) the name and applicable certification numbers of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer; 3) description of service performed; 4) each component that was repaired, serviced, or removed; 5) each component that was installed as replacement, if applicable; and 6) receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622] Federally Enforceable Through Title V Permit
28. The O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request. [District Rule 4622] Federally Enforceable Through Title V Permit
29. The permittee shall maintain monthly and annual gasoline throughput records. [District Rules 4621 and 4622] 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.

30. All records required by this permit shall be retained on-site for a period of at least five years and shall be made available for District inspection upon request. [District Rules 4621 and 4622] 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-214-47-0

**EXPIRATION DATE:** 08/31/2017

**EQUIPMENT DESCRIPTION:**

METAL CUTTING OPERATION WITH CONTROLLED AUTOMATION MODEL PLASMAX 6 X 12 CNC CUTTING SYSTEM EQUIPPED WITH A 19.7 KVA POWER SUPPLY AND MODEL HPR130XD PLASMA ARC CUTTING TORCH SERVED BY A CAMFIL FARR MODEL GS12 DUST COLLECTOR

## PERMIT UNIT REQUIREMENTS

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1. Visible emissions from dust collector serving plasma cutter shall not equal or exceed 5% opacity for a period or periods aggregating more than three minutes in any one hour. [District Rules 2201 and 4101] Federally Enforceable Through Title V Permit
2. The dust collector shall provide 99.9% or better control efficiency (HEPA Filter or equivalent). [District Rule 2201] 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. PM10 emissions shall not exceed 0.1 lb/day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Permittee shall maintain records of daily PM10 emissions using the following equation: Daily Emissions (lb/day) = [a x b x c x d x e x 0.15 x 0.001], where a = Cutting Speed (inch/min), b = Material Thickness (inch), c = Kerf Width (inch), and d = Material Density (lb/in<sup>3</sup>), e = Time Spent Cutting (min/day). [District Rule 2201] Federally Enforceable Through Title V Permit
6. Plasma cutting operation shall only cut carbon steel. [District Rules 2201 and 4102] Federally Enforceable Through Title V Permit
7. All plasma cutting shall be conducted with the dust collector operating, in good operating order, and filters in place. [District Rule 2201] Federally Enforceable Through Title V Permit
8. The dust collector shall be maintained and operated according to manufacturer's specifications. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The dust collector cleaning frequency and duration shall be adjusted to optimize the control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
10. Material removed from the dust collector shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
11. A spare set of filters shall be maintained on the premises at all times. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The dust collector shall be equipped with a pressure differential gauge to indicate the pressure drop across the filters. The gauge shall be maintained in good working condition at all times and shall be located in an easily accessible location. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The dust collector shall operate at all times with a minimum differential pressure of 0.5 inches water column and a maximum differential pressure of 6 inches water column. [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. Differential operating pressure shall be monitored and recorded on each day that the dust collector operates. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Records of all maintenance of the dust collector, including all change outs of filter media, shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
16. Records shall be retained on-site for a period of at least five years and 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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# ATTACHMENT C

Detailed Summary List of Facility Permits

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**Detailed Facility Report**

For Facility=214 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

CALIF STATE PRISON - CORCORAN 4001 KING AVE CORCORAN, CA 93212		FAC # C 214	TYPE: TOXIC ID: 40016	TITLE# 40016	EXPIRE ON: AREA: INSP. DATE: 08/31/2017 9/314 03/19
STATUS: TELEPHONE: 5599928800		A			

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-214-1-3	188 BHP IC ENGINE	3020-10 B	1	129.00	129.00	A	188 BHP DETROIT DIESEL MODEL DDFPO4AT-7008 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP (LOCATED IN BUILDING 213)
C-214-3-4	22. hp electric motors	3020-01 A	1	97.00	97.00	A	WOODWORKING OPERATION INCLUDING: (1) BELT SANDER, (1) PLANER, (1) TABLE SAW, (1) COMPOUND MITER SAW, (1) BAND SAW, EACH SERVED BY A KUFO MODEL UFO-101C DUST COLLECTOR (LOCATED IN BLDG 311A)
C-214-4-7	43 MMBTU/HR BOILER	3020-02 H	1	1,128.00	1,128.00	A	43 MMBTU/HR CLEAVER BROOKS MODEL #D-60E (#1) NATURAL GAS-FIRED BOILER WITH FUEL OIL #2 AS BACK-UP FUEL, A CLEAVER BROOKS MODEL NTS420LGS-09S-1P LOW NOX BURNER, AND FLUE GAS RECIRCULATION (FGR) SYSTEM
C-214-5-7	27 MMBTU/HR BOILER	3020-02 H	1	1,128.00	1,128.00	A	27 MMBTU/HR CLEAVER BROOKS MODEL D42 (#2) NATURAL GAS-FIRED BOILER WITH A CLEAVER BROOKS MODEL NTS294LGS-09S-1P LOW NOX BURNER, A FLUE GAS RECIRCULATION (FGR) SYSTEM, AND FUEL OIL #2 AS BACK-UP FUEL
C-214-9-3	1,490 BHP IC ENGINE	3020-10 F	1	820.00	820.00	A	1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 210)
C-214-10-3	1,490 BHP IC ENGINE	3020-10 F	1	820.00	820.00	A	1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 210)
C-214-11-3	1,490 BHP IC ENGINE	3020-10 F	1	820.00	820.00	A	1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 201)
C-214-12-3	1,593 BHP IC ENGINE	3020-10 F	1	820.00	820.00	A	1,593 BHP CATERPILLAR MODEL 3512 DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED AT HOSPITAL)
C-214-13-3	390 BHP IC ENGINE	3020-10 C	1	264.00	264.00	A	390 BHP CUMMINS MODEL NT855G3 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 212)
C-214-15-3	30 BHP ELECTRIC MOTORS	3020-01 B	1	129.00	129.00	A	WOODWORKING OPERATION INCLUDING: (2) BELT SANDERS, (1) PLANER, (1) LATHE, (1) PANEL SAW, (1) JOINTER, (1) ROUTER, (1) TABLE SAW, ABD (1) RADIAL ARM SAW ALL SERVED BY A 7,000 CFM STERNVENT MODEL CYH 3630-76 DUST COLLECTOR WITH A 36" DIAMETER CYCLONE
C-214-16-6	PAINTING OPERATION	3020-06	1	116.00	116.00	A	WOOD AND METAL PARTS COATING OPERATION USING BRUSHES AND ROLLERS (BLDG 309C)
C-214-32-6	8.1 MMBtu/hr boiler	3020-02 G	1	893.00	893.00	A	8.1 MMBTU/HR CLAYTON INDUSTRIES MODEL SLG-204-2-LNG NATURAL GAS-FIRED BOILER WITH A LOW NOX BURNER

### Detailed Facility Report

For Facility=214 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-214-45-3	1.75 MMBTU/HR BURNER	3020-02 E	1	451.00	451.00	A	METAL PARTS AND PRODUCTS COATING OPERATION WITH HVLP SPRAY GUN, PAINT SPRAY BOOTH WITH EXHAUST FILTERS, SPRAY GUN CLEANER, AND 1.75 MMBTU/HR DRYING OVEN
C-214-46-2	1 NOZZLE	3020-11 A	1	38.00	38.00	A	GASOLINE DISPENSING OPERATION WITH ONE 12,000 GALLON SPLIT (8,000 GALLON GASOLINE/4,000 GALLON DIESEL) FIREGUARD ABOVEGROUND STORAGE TANK SERVED BY MORRISON BROTHERS EVR PHASE I VAPOR RECOVERY SYSTEM (VR-402-B), STANDING LOSS CONTROL (VR-301-E), AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162-A)
C-214-47-0	19.7 KVA	3020-03 A	1	97.00	97.00	A	METAL CUTTING OPERATION WITH CONTROLLED AUTOMATION MODEL PLASMAX 6 X 12 CNC CUTTING SYSTEM EQUIPPED WITH A 19.7 KVA POWER SUPPLY AND MODEL HPR130XD PLASMA ARC CUTTING TORCH SERVED BY A CAMFIL FARR MODEL GS12 DUST COLLECTOR

Number of Facilities Reported: 1