



October 18, 2023

Mr. Jeffrey Carrol
California State Prison - Corcoran
4001 King Ave
Corcoran, CA 93212

Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
Facility Number: C-214
Project Number: C-1220149

Dear Mr. Carrol:

Enclosed for your review is the District's analysis of California State Prison - Corcoran's application for the Federally Mandated Operating Permit for its operation at 4001 King Ave in Corcoran, California.

The notice of preliminary decision for this project has been posted on the District's website (www.valleyair.org). After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the 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. Nick Peirce, Permit Services Manager, at (209) 557-6400.

Sincerely,



Brian Clements
Director of Permit Services

Enclosures

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

Samir Sheikh
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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: Zeferino Aleman
Date: October 18, 2023

Facility Number: C-214
Facility Name: California State Prison – Corcoran
Mailing Address: 4001 King Ave
Corcoran, CA 93212

Contact Name: Jeffrey Carrol
Phone: (559) 992-6150

Responsible Official: Jeffrey Carrol
Title: Correctional Plant Supervisor

Project # : C-1220149
Deemed Complete: June 16, 2022

I. PROPOSAL

California State Prison – Corcoran was issued their last renewed Title V permit on August 20, 2018. As required by District Rule 2520, the applicant is requesting a permit renewal. California State Prison – Corcoran submitted an application to renew their Title V permit on January 31, 2022, which was within the timeframe required by Section 5.2 of District Rule 2520. Therefore, all terms and conditions of the Title V permit shall remain in effect until the renewal permit has been issued pursuant to Section 8.3 of District Rule 2520. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the initial Title V permit.

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

II. FACILITY LOCATION

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 2201, New and Modified Stationary Source Review Rule (amended February 18, 2016 ⇒ amended August 15, 2019)
- District Rule 2520, Federally Mandated Operating Permits (amended June 21, 2001 ⇒ amended August, 15, 2019)
- District Rule 4306, Boilers, Steam Generators, and Process Heaters – Phase 3 (amended October 16, 2008 ⇒ amended December 17, 2020)
- District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater than 5.0 MMBtu/hr (amended October 16, 2008 ⇒ amended December 17, 2020)
- District Rule 4601, Architectural Coatings (amended December 17, 2009 ⇒ amended April 16, 2020)
- District Rule 4702, Internal Combustion Engines (amended November 14, 2013 ⇒ amended August 19, 2021)

- 40 CFR Part 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended February 27, 2014 ⇒ amended March 29, 2023)
- 40 CFR Part 64, Compliance Assurance Monitoring (CAM) (amended October 22, 1997)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended August 11, 2011 ⇒ amended March 24, 2021)
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended June 18, 2008 ⇒ amended April 10, 2020)

B. Rules Removed

- Kings County Rule 111, Equipment Breakdown (SIP approved, last amended 6/18/1982 ⇒ District resolution to rescind from SIP 2/17/2022)

C. Rules Added

There were no applicable rules that were added since the last Title V Renewal.

D. Rules Not Updated

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 1160, Emission Statements (amended November 18, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2020, Exemptions (amended December 18, 2014)
- 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 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4305, Boilers, Steam Generators, and Process Heaters – Phase 2 (amended August 21, 2003)
- 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 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 8011, General Requirements (amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities (amended August 19, 2004)
- District Rule 8031, Bulk Materials (amended August 19, 2004)
- District Rule 8041, Carryout and Trackout (amended August 19, 2004)
- District Rule 8051, Open Areas (amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Areas (amended September 16, 2004)
- 40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (amended July 7, 2016)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended July 20, 2004)

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

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

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

A. Rules Added/Updated

No rules that are not federally enforceable were added/updated since the last Title V permit Renewal.

B. Rules Not Updated

- District Rule 1100, Equipment Breakdown (amended December 17, 1992) (Non SIP replacement for Kings County Rule 111, which the District requested to be rescinded from the SIP on February 17, 2022)

District Rule 1100 defines a breakdown condition and the procedures to follow if one occurs. The corrective action, the issuance of an emergency variance, and the reporting requirements are also specified.

District Rule 1100 was last amended on December 17, 1992 and is not included in the SIP; however, the requirements of District Rule 1100 were previously federally enforceable through Kings County Rule 111. Kings County Rule 111 was adopted on October 7, 1971 and incorporated into the SIP on May 31, 1972.

On January 12, 2022, EPA issued an updated SIP call directing state and local agencies to remove rules governing emissions associated with startup, shutdown, and malfunction events from their SIPs. The EPA SIP call included a timeline to address this issue, which was effective February 11, 2022. In accordance with the EPA SIP call, on February 17, 2022, the District approved the submittal of a formal request to EPA and the California Air Resources Board (ARB) to withdraw the following Equipment Breakdown rules from the San Joaquin Valley's SIP: Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111.

As a result of the District's formal request to remove Kings County Rule 111 from the SIP, conditions 1, 2, and 11 of the proposed requirements of the facility-wide permit C-214-0-4, which reference District Rule 1100 and were federally enforceable through Kings County Rule 111, are no longer federally enforceable. Condition 11 of the proposed requirements of the facility-wide permit C-214-0-4, which requires reporting of deviations from permit conditions and references District Rules 1100 and 2520, remains federally enforceable through District Rule 2520.

The following conditions are based solely on this rule and are therefore not federally enforceable through Title V.

Permit Unit #	Permit Description	Condition #s
C-214-0-4	Facility-Wide Permit	1 and 2

- District Rule 2040, Applications (amended December 17, 1992)

The purpose of this rule is to explain the procedures for filing, denying, and appealing the denial of applications for an Authority to Construct or a Permit to Operate.

The following conditions are based solely on this rule and are therefore, not federally enforceable through Title V.

Permit Unit #	Permit Description	Condition #s
C-214-0-4	Facility-Wide Permit	7

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

The purpose of this rule is to protect the health and safety of the public. This rule stipulates that a person shall not discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such person or the public or which cause or have a natural tendency to cause injury or damage to business or property.

The following conditions are based solely on this rule and are therefore, not federally enforceable through Title V.

Permit Unit #	Permit Description	Condition #s
C-214-0-4	Facility-Wide Permit	40

The following condition is based on this rule and other federally enforceable requirements. Therefore, the condition is federally enforceable, but it is not federally enforceable through this requirement.

Permit Unit #	Permit Description	Condition #s
C-214-47-2	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	6

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

The purpose of this rule is to limit emissions of sulfur compounds, which would exist as a liquid or gas at standard conditions, exceeding in concentration at the point of discharge: two-tenths (0.2) percent by volume calculated as sulfur dioxide (SO₂), on a dry basis average over 15 consecutive minutes.

The following conditions are based on this rule and other federally enforceable requirements. Therefore, the condition is federally enforceable, but it is not federally enforceable through this requirement.

Permit Unit #	Permit Description	Condition #s
C-214-1-5	188 bhp Detroit Diesel model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (located in Building 213)	5
C-214-9-5	1,490 bhp Cummins model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (located in Building 201)	6
C-214-10-5	1,490 bhp Cummins model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (located in Building 210)	6
C-214-11-5	1,490 bhp Cummins model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (located in Building 201)	6
C-214-12-5	1,593 bhp Caterpillar model 3512 Dita Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (located at Hospital)	6

Permit Unit #	Permit Description	Condition #s
C-214-13-5	390 bhp Cummins model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (located in Building 212)	6

- 17 CCR 93115, Airborne Toxic Control Measure for Stationary Compression Ignition (CI) Engines (amended February 26, 2004)

The purpose of this airborne toxic control measure (ATCM) is to reduce diesel particulate matter (PM) and criteria pollutant emissions from stationary diesel-fueled compression ignition (CI) engines. Recordkeeping and monitoring requirements for determining emission concentration limits are also specified. The requirements of this rule apply to any person who owns or operates a stationary CI engine in California with a rated brake horsepower greater than 50 (>50 bhp).

The following conditions are based on this rule and other federally enforceable requirements. Therefore, the condition is federally enforceable, but it is not federally enforceable through this requirement.

Permit Unit #	Permit Description	Condition #s
C-214-1-5	188 bhp Detroit Diesel model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (located in Building 213)	4, 5, 7, 9, 10, 11, 17, and 18
C-214-9-5	1,490 bhp Cummins model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (located in Building 201)	5, 6, 8, 10, 11, 12, 13, 17, and 20
C-214-10-5	1,490 bhp Cummins model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (located in Building 210)	5, 6, 8, 10, 11, 12, 13, 17, and 20
C-214-11-5	1,490 bhp Cummins model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (located in Building 201)	5, 6, 8, 10, 11, 12, 13, 17, and 20
C-214-12-5	1,593 bhp Caterpillar model 3512 Dita Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (located at Hospital)	5, 6, 8, 10, 11, 12, 13, 17, and 20
C-214-13-5	390 bhp Cummins model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (located in Building 212)	5, 6, 8, 10, 11, 12, 13, 17, and 20

VIII. PERMIT REQUIREMENTS

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

A. Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111 – Equipment Breakdown

In accordance with EPA's State Implementation Plan (SIP) Call, on February 17, 2022, the District rescinded Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Stanislaus County Rule 110, and Tulare County Rule 111 from the San Joaquin Valley SIP.

Therefore, proposed conditions 1 and 2 on permit C-214-0-4 are no longer Federally Enforceable. Additionally, only Kings County Rules will be referenced since this facility resides in Kings County.

B. District Rule 2201 - New and Modified Stationary Source Review Rule (NSR)

District Rule 2201 has been amended since this facility's initial Title V permit was issued. However, the requirements of this rule are only triggered at the time the source undergoes a modification. All applicable requirements from any NSR permit actions have already been incorporated into the current Title V permit. Therefore, the updated requirements of this rule are not applicable at this time.

C. District Rule 2520 - Federally Mandated Operating Permits

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

Greenhouse Gas Discussion

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

D. District Rule 4306 – Boilers, Steam Generators, and Process Heaters – Phase 3

The purpose of this rule is to limit emissions of oxides of nitrogen (NO_x) and carbon monoxide (CO) from boilers, steam generators, and process heaters. This rule applies to any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a total rated heat input greater than 5 million Btu per hour.

The October 16, 2008 version of District Rule 4306 was approved into the SIP on January 13, 2010. The rule was amended on December 17, 2020 and the California Air Resources Board sent the amendments to EPA for inclusion in the SIP on March 12, 2021. The December 17, 2020 amendments to District Rule 4306 added definitions to improve clarity and to reflect the changes in requirements, removed the definition of a load following unit and the specific emission limits for load following units and required these units to comply with the same emission limits as other units of the same size, added additional categories of units and required lower Tier 2 NO_x emission limits for various categories, and established dates for the submission of emission control plans and ATC applications and compliance with the lower Tier 2 emission limits.

California State Prison – Corcoran has three natural gas-fired boilers, all of which are greater than 5.0 MMBtu/hr, at the facility operating under permit units C-214-4, ‘-5, and ‘-32 that are subject to the requirements of District Rule 4306. The only potential effect of the December 17, 2020 amendments to District Rule 4306 is to lower the required NO_x emission limit or reduce the maximum annual fuel input allowed for these units. The current applicable Tier 1 emission limits that were required prior to the December 17, 2020 amendments and the applicable Tier 2 emission limits that were added through the amendments are summarized below.

Section 5.0 - Requirements

All ppmv emission limits specified in Section 5.0 are referenced at dry stack gas conditions and 3.00 percent by volume stack gas oxygen (O₂). Emission concentrations shall be corrected to 3.00 percent oxygen in accordance with Section 8.1.

Section 5.1 - NO_x and CO Emissions Limits

Section 5.1.1 requires that, except for units subject to Section 5.2, on and after the compliance deadline specified in Section 7 units subject to Section 5.0 shall not be operated in a manner which exceeds the applicable NO_x and carbon monoxide (CO) emissions limit specified in Table 1 - Tier 1 NO_x and CO Limits (until December 31, 2023) and Table 2 - Tier 2 NO_x and CO Limits (on and after December 31, 2023).

Rule 4306, Table 1: Tier 1 NO_x and CO Limits					
Category	Operated on Gaseous Fuel			Operated on Liquid Fuel	
	NO_x Limit		CO Limit (ppmv)	NO_x Limit	CO Limit (ppmv)
	Standard Option	Enhanced Option			
A. Units with a rated heat input equal to or less than 20.0 MMBtu/hour, except for Categories C, D, E, F, G, H, and I units	15 ppmv or 0.018 lb/MMBtu	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
B. Units with a rated heat input greater than 20.0 MMBtu/hour, except for Categories C, D, E, F, G, H, and I units	9 ppmv or 0.011 lb/MMBtu	6 ppmv or 0.007 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
C. Oilfield Steam Generators	15 ppmv or 0.018 lb/MMBtu	No option	400	40 ppmv or 0.052 lb/MMBtu	400
D. Refinery units with a rated heat input greater than 5 MMBtu/hr up to 65 MMBtu/hr	30 ppmv or 0.036 lb/MMBtu	No option	400	40 ppmv or 0.052 lb/MMBtu	400
E. Refinery units with a rated heat input greater than 65 MMBtu/hr up to 110 MMBtu/hr	25 ppmv or 0.031 lb/MMBtu	No option	400	40 ppmv or 0.052 lb/MMBtu	400
F. Refinery units with a rated heat input greater than 110 MMBtu/hr	5 ppmv or 0.0062 lb/MMBtu	No option	400	40 ppmv or 0.052 lb/MMBtu	400
G. Load-following units	15 ppmv or 0.018 lb/MMBtu	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
H. Units limited by a Permit to Operate to an annual heat input of 9 billion Btu/year to 30 billion Btu/year	30 ppmv or 0.036 lb/MMBtu	No option	400	40 ppmv or 0.052 lb/MMBtu	400

Rule 4306, Table 1: Tier 1 NO _x and CO Limits					
Category	Operated on Gaseous Fuel			Operated on Liquid Fuel	
	NO _x Limit		CO Limit (ppmv)	NO _x Limit	CO Limit (ppmv)
	Standard Option	Enhanced Option			
I. Units in which the rated heat input of each burner is less than or equal to 5 MMBtu/hr but the total rated heat input of all the burners in a unit is greater than 5 MMBtu/hr, as specified in the Permit to Operate, and in which the products of combustion do not come in contact with the products of combustion of any other burner.	30 ppmv or 0.036 lb/MMBtu	No option	400	40 ppmv or 0.052 lb/MMBtu	400

Rule 4306, Table 2: Tier 2 NO _x and CO Limits				
Category	Operated on Gaseous Fuel		Operated on Liquid Fuel	
	NO _x Limit	CO Limit (ppmv)	NO _x Limit	CO Limit (ppmv)
A. Units with a total rated heat input > 5.0 MMBtu/hr to ≤ 20.0 MMBtu/hr, except for Categories C through G unit				
1. Fire Tube Boilers	7 ppmv or 0.0085 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
2. Units at Schools	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
3. Units fired on Digester Gas	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
4. Thermal Fluid Heaters	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
5. All other units	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
B. Units with a total rated heat input > 5.0 MMBtu/hr to ≤ 20.0 MMBtu/hr, except for Categories C through G unit				
1. Fire Tube Boilers	7 ppmv or 0.0085 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
2. Units at Schools	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
3. Units fired on Digester Gas	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
4. Thermal Fluid Heaters	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
5. All other units	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
C. Units with a total rated heat input > 20.0 MMBtu/hr, except for Categories C through G units				

Rule 4306, Table 2: Tier 2 NO _x and CO Limits				
Category	Operated on Gaseous Fuel		Operated on Liquid Fuel	
	NO _x Limit	CO Limit (ppmv)	NO _x Limit	CO Limit (ppmv)
1. Fire Tube Boilers with a total rated heat input > 20.0 MMBtu/hour and ≤ 75 MMBtu/hour	7 ppmv or 0.0085 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
2. All other units with a total rated heat input > 20.0 MMBtu/hour and ≤ 75 MMBtu/hour	7 ppmv or 0.0085 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
3. Units with a rated heat input > 75 MMBtu/hour	5 ppmv or 0.0061 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
D. Oilfield Steam Generators				
1. Units with a total rated heat input > 5.0 MMBtu/hr and ≤ 20.0 MMBtu/hr	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
2. Units with a total rated heat input > 20.0 MMBtu/hr and ≤ 75.0 MMBtu/hr	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
3. Units with a total rated heat input > 75.0 MMBtu/hr	7 ppmv or 0.0085 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
4. Units firing on less than 50%, by volume, PUC quality gas	15 ppmv or 0.018 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
E. Refinery Units				
1. Boilers with a total rated heat input > 5.0 MMBtu/hr and ≤ 40.0 MMBtu/hr	30 ppmv or 0.036 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
	5 ppmv or 0.0061 lb/MMBtu for replacement units			
2. Boilers with a total rated heat input > 40.0 MMBtu/hr and ≤ 110 MMBtu/hr	9 ppmv or 0.011 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
	5 ppmv or 0.0061 lb/MMBtu for replacement units			
3. Boilers with a total rated heat input > 110 MMBtu/hr	5 ppmv or 0.0061 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
4. Process Heaters with a total rated heat input > 5.0 MMBtu/hr and ≤ 40.0 MMBtu/hr	30 ppmv or 0.036 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
	9 ppmv or 0.011 lb/MMBtu for replacement units			
	15 ppmv or 0.018 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400

Rule 4306, Table 2: Tier 2 NO _x and CO Limits				
Category	Operated on Gaseous Fuel		Operated on Liquid Fuel	
	NO _x Limit	CO Limit (ppmv)	NO _x Limit	CO Limit (ppmv)
5. Process Heaters with a total rated heat input > 40.0 MMBtu/hr and ≤110 MMBtu/hr	9 ppmv or 0.011 lb/MMBtu for replacement units			
6. Process Heaters with a total rated heat input >110 MMBtu/hr	5 ppmv or 0.0061 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400
F. Units limited by a Permit to Operate to an annual heat input of 9 billion Btu/year to 30 billion Btu/year	30 ppmv or 0.036 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400

- a. C-214-4-9: 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 NTS4420LGS-09S-1P Low NO_x Burner, and Flue Gas Recirculation (FGR) System:
- b. C-214-5-9: 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_x Burner, and Flue Gas Recirculation (FGR) System:

The current permit requirements for these units limit NO_x emissions from the units to no more than 9 ppmv @ 3% O₂ when fired on natural gas and the units comply with all current applicable requirements of District Rule 4306. The information previously provided by the applicant and included in District files indicates that these units fall into Category B.1 of Rule 4306, Table 2. The facility has already submitted an emission control plan as of April 20, 2022 to comply with the applicable requirements of District Rule 4306 by the deadlines specified in the rule.

Pursuant to Section 7.0 – Compliance Schedule, an ATC application and Emission Control Plan must be submitted for these units to comply with the applicable Tier 2 NO_x and CO limits by May 1, 2028 and the units must comply with the applicable Tier 2 NO_x and CO limits by December 31, 2029. Compliance with the applicable Tier 2 NO_x and CO limits has already been addressed through the submittal of the April 20, 2022 emission control plan.

The following conditions of the proposed requirements for renewed Title V permit ensure compliance with this rule.

Permit Unit #	Permit Description	Condition #s
C-214-4-9	43 MMBtu/hr Natural Gas-Fired Boiler	7-22, 24-27, and 29-33

Permit Unit #	Permit Description	Condition #s
C-214-5-9	27 MMBtu/hr Natural Gas-Fired Boiler	7-22, 24-27, and 29-33

E. District Rule 4320 – Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater than 5.0 MMBtu/hr

The purpose of this rule is to limit emissions of oxides of nitrogen (NO_x), carbon monoxide (CO), oxides of sulfur (SO₂), and particulate matter 10 microns or less (PM₁₀) from boilers, steam generators, and process heaters. This rule applies to any gaseous fuel or liquid fuel fired boiler, steam generator, or process heater with a total rated heat input greater than 5 million Btu per hour.

The October 16, 2008 version of District Rule 4320 was approved into the SIP on March 25, 2011. The rule was amended on December 17, 2020 and ARB sent the amendments to EPA for inclusion in the SIP on March 12, 2021. The December 17, 2020 amendments to District Rule 4320 added definitions to improve clarity and to reflect the changes in requirements, added additional categories of units and required lower Tier 2 NO_x emission limits for various categories, and established dates for the submission of emission control plans and ATC applications and compliance with the lower Tier 2 emission limits.

California State Prison - Corcoran has three natural gas-fired boilers, all of which are greater than 5.0 MMBtu/hr, at the facility operating under permit units C-214-4, '-5, and '-32 that are subject to the requirements of District Rule 4320. The only potential effect of the December 17, 2020 amendments to District Rule 4320 is to lower the required NO_x emission limit or reduce the maximum annual fuel input allowed for this unit. The current applicable Tier 1 emission limits that were required prior to the December 17, 2020 amendments and the applicable Tier 2 emission limits that were added through the amendments are summarized below.

Section 5.0 - Requirements

Section 5.1 requires that units that are subject to District Rule 4320 must:

- 1) Operate the unit to comply with the emission limits specified in Sections 5.2 and 5.4;
- 2) Pay an annual emissions fee to the District as specified in Section 5.3 and comply with the control requirements specified in Section 5.4; or
- 3) Comply with the applicable Low-use Unit requirements of Section 5.5

Section 5.2 - NO_x and CO Emissions Limits

Section 5.2 requires that units subject to this section shall not be operated in a manner which exceeds the applicable NO_x emissions limit specified in Table 1 - Tier 1 NO_x Emissions Limits (until December 31, 2023) and Table 2 - Tier 2 NO_x Emissions Limits (on and after December 31, 2023). Section 5.2 also requires that units subject to this section shall not be operated in a manner to which exceeds a carbon monoxide (CO) emissions limit of 400 ppmv. All ppmv emission limits specified in Section 5.2 are referenced at dry stack gas conditions and 3.00 percent by volume stack gas oxygen (O₂). Emission concentrations shall be corrected to 3.00 percent oxygen in accordance with Section 8.1.

Rule 4320, Table 1: Tier 1 NO_x Emission Limits			
Category	NO_x Limit	Authority to Construct	Compliance Deadline
A. Units with a total rated heat input > 5.0 MMBtu/hr to ≤ 20.0 MMBtu/hr, except for Categories C through G units	a) Standard Schedule 9 ppmv or 0.011 lb/MMBtu; or	July 1, 2011	July 1, 2012
	b) Enhanced Schedule 6 ppmv or 0.007 lb/MMBtu	January 1, 2013	January 1, 2014
B. Units with a total rated heat input > 20.0 MMBtu/hr, except for Categories C through G units	a) Standard Schedule 7 ppmv or 0.008 lb/MMBtu; or	July 1, 2009	July 1, 2010
	b) Enhanced Schedule 5 ppmv or 0.0062 lb/MMBtu	January 1, 2013	January 1, 2014
C. Oilfield Steam Generators			
1. Units with a total rated heat input > 5.0 MMBtu/hr to ≤ 20.0 MMBtu/hr	a) Standard Schedule 9 ppmv or 0.011 lb/MMBtu; or	July 1, 2011	July 1, 2012
	b) Enhanced Schedule 6 ppmv or 0.007 lb/MMBtu	January 1, 2013	January 1, 2014
2. Units with a total rated heat input > 20.0 MMBtu/hr	a) Standard Schedule 7 ppmv or 0.008 lb/MMBtu; or	July 1, 2009	July 1, 2010
	b) Staged Enhanced Schedule Initial Limit 9 ppmv or 0.011 lb/MMBtu; and	July 1, 2011	July 1, 2012
	Final Limit 5 ppmv or 0.0062 lb/MMBtu	January 1, 2013	January 1, 2014

Rule 4320, Table 1: Tier 1 NO _x Emission Limits			
Category	NO _x Limit	Authority to Construct	Compliance Deadline
3. Units firing on less than 50%, by volume, PUC quality gas.	Staged Enhanced Schedule Initial Limit 12 ppmv or 0.0145 lb/MMBtu; and	July 1, 2010	July 1, 2011
	Final Limit 9 ppmv or 0.011 lb/MMBtu	January 1, 2013	January 1, 2014
D. Refinery units			
1. Units with a total rated heat input > 5.0 MMBtu/hr to ≤ 20.0 MMBtu/hr	a) Standard Schedule 9 ppmv or 0.011 lb/MMBtu; or	July 1, 2011	July 1, 2012
	b) Enhanced Schedule 6 ppmv or 0.007 lb/MMBtu	January 1, 2013	January 1, 2014
2. Units with a total rated heat input >20.0 MMBtu/hr to ≤ 110.0 MMBtu/hr	a) Standard Schedule 6 ppmv or 0.007 lb/MMBtu; or	July 1, 2010	July 1, 2011
	b) Staged Enhanced Schedule Initial Limit 9 ppmv or 0.011 lb/MMBtu; and	July 1, 2011	July 1, 2012
	Final Limit 5 ppmv or 0.0062 lb/MMBtu	January 1, 2013	January 1, 2014
3. Units with a total rated heat input > 110.0 MMBtu/hr	Standard Schedule 5 ppmv or 0.0062 lb/MMBtu	N/A	June 1, 2007
4. Units firing on less than 50%, by volume, PUC quality gas.	Staged Enhanced Schedule Initial Limit 12 ppmv or 0.0145 lb/MMBtu; and	July 1, 2010	July 1, 2011
	Final Limit 9 ppmv or 0.011 lb/MMBtu	January 1, 2013	January 1, 2014
E. Units, from any Category, that were installed prior to January 1, 2009 and limited by a Permit to Operate to an annual heat input >1.8 billion Btu/year but ≤ 30 billion Btu/year.	Standard Schedule 9 ppmv or 0.011 lb/MMBtu	Twelve months before the next unit replacement but no later than January 1, 2013.	At the next unit replacement but no later than January 1, 2014

Rule 4320, Table 1: Tier 1 NO _x Emission Limits			
Category	NO _x Limit	Authority to Construct	Compliance Deadline
F. Units at a wastewater treatment facility firing on less than 50%, by volume, PUC quality gas.	Staged Enhanced Schedule Initial Limit 12 ppmv or 0.0145 lb/MMBtu; and	July 1, 2010	July 1, 2011
	Final Limit 9 ppmv or 0.011 lb/MMBtu	January 1, 2013	January 1, 2014
G. Units operated by a small producer in which the rated heat input of each burner is less than or equal to 5 MMBtu/hr but the total rated heat input of all the burners in a unit is rated between 5 MMBtu/hr and 20 MMBtu/hr, as specified in the Permit to Operate, and in which the products of combustion do not come in contact with the products of combustion of any other burner.	Standard Schedule 9 ppmv or 0.011 lb/MMBtu	Twelve months before the next unit replacement but no later than January 1, 2013.	At the next unit replacement but no later than January 1, 2014

Rule 4320, Table 2: Tier 2 NO _x Emission Limits				
Category	NO _x Limit	Emission Control Plan	Authority to Construct	Compliance Deadline
A. Units with a total rated heat input > 5.0 MMBtu/hr to ≤ 20.0 MMBtu/hr, except for Categories C through E units				
1. Fire Tube Boilers	5 ppmv or 0.0061 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
2. Units at Schools	9 ppmv or 0.011 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
3. Units fired on Digester Gas	9 ppmv or 0.011 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
4. Thermal Fluid Heaters	9 ppmv or 0.011 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
5. All other units	5 ppmv or 0.0061 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
B. Units with a total rated heat input > 20.0 MMBtu/hr, except for Categories C through E units				
1. Fire Tube Boilers with a total rated heat input > 20.0 MMBtu/hour and ≤ 75 MMBtu/hour	2.5 ppmv or 0.003 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023

Rule 4320, Table 2: Tier 2 NOx Emission Limits				
Category	NOx Limit	Emission Control Plan	Authority to Construct	Compliance Deadline
2. All other units with a total rated heat input > 20.0 MMBtu/hour and ≤ 75 MMBtu/hour	2.5 ppmv or 0.003 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
3. Units with a rated heat input > 75 MMBtu/hour	2.5 ppmv or 0.003 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
C. Oilfield Steam Generators				
1. Units with a total rated heat input > 5.0 MMBtu/hr and ≤ 20.0 MMBtu/hr	6 ppmv or 0.0073 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
2. Units with a total rated heat input > 20.0 MMBtu/hr and ≤ 75.0 MMBtu/hr	5 ppmv or 0.0061 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
3. Units with a total rated heat input > 75.0 MMBtu/hr	5 ppmv or 0.0061 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
4. Units firing on less than 50%, by volume, PUC quality gas	5 ppmv or 0.0061 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
D. Refinery units				
1. Boilers with a total heat input > 5.0 MMBtu/hr to ≤ 40.0 MMBtu/hr	5 ppmv or 0.0061 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
2. Boilers with a total rated heat input > 40.0 MMBtu/hr to ≤ 110.0 MMBtu/hr	5 ppmv or 0.0061 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
3. Boilers with a total rated heat input > 110.0 MMBtu/hr	2.5 ppmv or 0.003 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
4. Process Heaters with a total heat input > 5.0 MMBtu/hr to ≤ 40.0 MMBtu/hr	5 ppmv or 0.0061 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
5. Process Heaters with a total rated heat input > 40.0 MMBtu/hr to ≤ 110.0 MMBtu/hr	5 ppmv or 0.0061 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023
6. Process Heaters with a total heat input > 110.0 MMBtu/hr	2.5 ppmv or 0.003 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023

Rule 4320, Table 2: Tier 2 NO _x Emission Limits				
Category	NO _x Limit	Emission Control Plan	Authority to Construct	Compliance Deadline
E. Units limited by a Permit to Operate to an annual heat input >1.8 billion Btu/year but < 30 billion Btu/year.	9 ppmv or 0.011 lb/MMBtu	May 1, 2022	May 1, 2022	December 31, 2023

Section 5.4 - Particulate Matter Control Requirements

Section 5.4.1 of this rule requires the operator of a unit to comply with one of the following requirements for control of particulate matter (PM):

- 1) Operators shall fire units exclusively on PUC-quality natural gas, commercial propane, butane, or liquefied petroleum gas, or a combination of such gases;
 - 2) Operators shall limit fuel sulfur content to no more than five (5) grains of total sulfur per one hundred (100) standard cubic feet; or
 - 3) operators shall install and properly operate an emission control system that reduces SO₂ emissions by at least 95% by weight; or limit exhaust SO₂ to less than or equal to 9 ppmv corrected to 3.0% O₂
- a. C-214-4-9: 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 NTS4420LGS-09S-1P Low NO_x Burner, and Flue Gas Recirculation (FGR) System:
 - b. C-214-5-9: 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_x Burner, and Flue Gas Recirculation (FGR) System:

The current permit requirements for these units limit NO_x emissions from the units to no more than 9 ppmv @ 3% O₂ when fired on natural gas and the units comply with all current applicable requirements of District Rule 4320. The information previously provided by the applicant and included in District files indicates that these units fall into Category B.1 of Rule 4320, Table 2. The facility has already submitted an emission control plan as of April 20, 2022 to comply with the applicable requirements of District Rule 4320 by the deadlines specified in the rule.

Pursuant to Section 5.2, Table 2 – Tier 2 NO_x Emission Limits and Section 7.0 – Compliance Schedule, an ATC application and Emission Control Plan must be submitted for these units to comply with the applicable Tier 2 NO_x limits by May 1, 2022 and the units must comply with the applicable Tier 2 NO_x limits by

December 31, 2023. The facility has elected to pay the annual emission fees, as the unit does not comply with the emission limits in Section 5.2 of Rule 4320.

The following conditions of the proposed requirements for renewed Title V permit ensure compliance with this rule.

Permit Unit #	Permit Description	Condition #s
C-214-4-9	43 MMBtu/hr Natural Gas-Fired Boiler	5-7, 11-12, and 29-34
C-214-5-9	27 MMBtu/hr Natural Gas-Fired Boiler	5-7, 11-12, and 29-34

F. District Rule 4601 – Architectural Coatings

District Rule 4601 was last amended on April 16, 2020. EPA approved District Rule 4601 as amended on April 16, 2020 for inclusion in the SIP on December 14, 2022.

The purpose of this rule is to limit VOC emissions from architectural coatings. This rule specifies architectural coatings storage, cleanup, and labeling requirements. This rule is applicable to any person who supplies, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures, blends or repackages any architectural coating. This rule is applicable to any person who supplies, markets, sells, offers for sale, applies, or solicits the application of any architectural coating, or who manufactures, blends or repackages any architectural coating for use within the San Joaquin Valley Air Pollution Control District.

As required by a September 2016 decision by the U.S. Court of Appeals for the Ninth Circuit in *Bahr v. U.S. Environmental Protection Agency*,¹ the April 16, 2020 amendments to District Rule 4601 added a contingency measure for the District's 2016 Ozone Plan that would remove the exemption for specific categories of coatings sold in small containers with a volume of one liter or less if EPA issues a finding that the San Joaquin Valley Air Basin has failed to attain, or to make reasonable further progress towards attainment of, the 2008 National Ambient Air Quality Standard (NAAQS) for ozone. The April 16, 2020 amendments to District Rule 4601 implemented provisions of the 2019 California Air Resources Board (ARB) Suggested Control Measure for Architectural Coatings,² including lowering VOC limits for several categories of

¹ United States Court of Appeals for the Ninth Circuit (September 12, 2016) *Bahr v. U.S. Environmental Protection Agency*. <https://cdn.ca9.uscourts.gov/datastore/opinions/2016/09/12/14-72327.pdf>

² California Air Resources Board (May 2019) California Air Resources Board (CARB) Suggested Control Measure for Architectural Coatings. https://ww2.arb.ca.gov/sites/default/files/2020-05/10602_scm_final.pdf

architectural coatings, setting VOC limits for three new categories of architectural coatings, and adding new requirements for colorants.

The primary effect of the April 16, 2020 amendments to District Rule 4601 was reducing VOC content limits required for specific categories of coatings and adding VOC content limits for specific categories of colorants. The previous VOC content limits of District Rule 4601 and the VOC content limits of coatings and colorants that became effective on and after January 1, 2022 are summarized below.

Section 5.1 - VOC Content Limits:

Except as provided in Sections 5.2 and 5.3, no person shall: manufacture, blend, or repackage for use within the District; or supply, sell, market or offer for sale within the District; or solicit for application or apply within the District any architectural coating or colorant with a VOC content in excess of the corresponding limit specified in Table 1 or Table 2, after the specified effective date in Table 1 or Table 2. Limits are expressed as VOC Regulatory, thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.

Rule 4601, Table 1 - VOC Content Limits for Coatings¹		
COATING CATEGORY	Previous VOC Limit (g/l)	VOC Limit (g/l) Effective on and after 1/1/2022
Flat Coatings	50	50
Nonflat Coatings	100	50
Specialty Coatings	-	-
Aluminum Roof Coatings	400	100
Basement Specialty Coatings	400	400
Bituminous Roof Coatings	50	50
Bituminous Roof Primers	350	350
Bond Breakers	350	350
Building Envelope Coatings	-	50
Concrete Curing Compounds	350	350
Concrete/Masonry Sealers	100	100
Driveway Sealers	50	50
Dry Fog Coatings	150	50
Faux Finishing Coatings	350	350
Fire Resistive Coatings	350	150
Floor Coatings	100	50
Form-Release Compounds	250	100
Graphic Arts Coatings (Sign Paints)	500	500
High Temperature Coatings	420	420
Industrial Maintenance Coatings	250	250
Low Solids Coatings ²	120	120

Rule 4601, Table 1 - VOC Content Limits for Coatings¹		
COATING CATEGORY	Previous VOC Limit (g/l)	VOC Limit (g/l) Effective on and after 1/1/2022
Magnesite Cement Coatings	450	450
Mastic Texture Coatings	100	100
Metallic Pigmented Coatings	500	500
Multi-Color Coatings	250	250
Pre-Treatment Wash Primers	420	420
Primers, Sealers, and Undercoaters	100	100
Reactive Penetrating Sealers	350	350
Recycled Coatings	250	250
Roof Coatings	50	50
Rust Preventative Coatings	250	250
Shellacs:		
Clear	730	730
Opaque	550	550
Specialty Primers, Sealers, and Undercoaters	100	100
Stains	250	100
Interior Stains		250
Stone Consolidants	450	450
Swimming Pool Coatings	340	340
Tile and Stone Sealers		100
Traffic Marking Coatings	100	100
Tub and Tile Refinish Coatings	420	420
Waterproofing Membranes	250	100
Wood Coatings	275	275
Wood Preservatives	350	350
Zinc-Rich Primers	340	340

1. Limits are expressed as VOC Regulatory (except where noted otherwise), thinned to the manufacturer's maximum thinning recommendation, excluding any colorant added to tint bases.

2. Units are grams of VOC per liter of coating, including water and exempt compounds, in accordance with Section 3.72.

Rule 4601, Table 2 VOC Content Limits for Colorants¹	
Colorants Added To	VOC Limit (g/l) Effective on and after 1/1/2022
Architectural Coatings, excluding Industrial Maintenance Coatings	50
Solvent Based Industrial Maintenance Coatings	600
Waterborne Industrial Maintenance Coatings	50
Wood Coatings	600

1. Limits are expressed as VOC Regulatory.

The following conditions of the proposed requirements of the facility-wide permit ensure compliance with this rule.

Permit Unit #	Permit Description	Condition #s
C-214-0-4	Facility-Wide Permit	23, 24, and 25

G. District Rule 4702 – Internal Combustion Engines

District Rule 4702 was amended on August 19, 2021. The amended rule is not SIP-approved by EPA. For spark-ignited IC engines, this rule amendment lowered NO_x and VOC emission limits and established particulate matter and sulfur oxide requirements. There were no changes for compression-ignited IC engines that are emergency standby engines or low-use engines. The amendments to this rule do not have any effect on current permit requirements and will therefore not be addressed further in this evaluation.

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

This subpart 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.

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

Permit Unit #	Permit Description	Condition #s
C-214-1-5	188 bhp diesel-fired emergency IC engine	4, 6, 7, 10, 12, 13, 14, 15, 16, 17, and 18
C-214-9-5	1,490 bhp diesel-fired emergency IC engine	5, 7, 8, 12, 14, 15, 16, 17, 18, 19, and 20
C-214-10-5	1,490 bhp diesel-fired emergency IC engine	5, 7, 8, 12, 14, 15, 16, 17, 18, 19, and 20
C-214-11-5	1,490 bhp diesel-fired emergency IC engine	5, 7, 8, 12, 14, 15, 16, 17, 18, 19, and 20
C-214-12-5	1,593 bhp diesel-fired emergency IC engine	5, 7, 8, 12, 14, 15, 16, 17, 18, 19, and 20

Permit Unit #	Permit Description	Condition #s
C-214-13-5	390 bhp diesel-fired emergency IC engine	5, 7, 8, 12, 14, 15, 16, 17, 18, 19, and 20

I. 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 _x	20,000
SO _x	140,000
PM ₁₀	140,000
CO	200,000
VOC	20,000

a. C-214-1-5: 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_x 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.

b. C-214-3-6: Wood Working 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 PM₁₀ and is equipped with a dust collector, which is an add-on control for PM₁₀. Therefore, the unit may potentially be subject to CAM for PM₁₀.

The annual pre-control potential to emit for PM₁₀ from this permit unit is calculated below using the uncontrolled PM₁₀ 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).

$$\begin{aligned}\text{Pre-Control Potential to Emit (PE) for PM}_{10} &= (0.05 \text{ gr/dscf} \times 8,000 \text{ dscf} \times 525,600 \\ &\text{min/yr}) \div 7,000 \text{ gr/lb} \\ &= 30,034 \text{ lb-PM}_{10}/\text{yr} < 140,000 \text{ lb-PM}_{10}/\text{yr}\end{aligned}$$

As shown above, the pre-control potential to emit for PM₁₀ from this permit unit does not exceed the applicable major source threshold for this pollutant. Therefore, this permit unit is not subject to CAM.

- c. C-214-4-9: 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_x Burner, and Flue Gas Recirculation (FGR) System:

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO, and VOC. NO_x emissions from the unit are reduced by the use of a low NO_x burner and Flue Gas Recirculation (FGR). Low NO_x 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_x. This unit is not equipped with any add-on controls for SO_x, PM₁₀, CO, or VOC; therefore, CAM is not required for SO_x, PM₁₀, CO, or VOC.

The annual pre-control potential to emit for NO_x 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_x from Combustion of Natural Gas:

Natural Gas Combustion Pre-Control Emission Factor: 50 lb-NO_x/10⁶ scf
(Source: EPA AP-42, 1.4 Natural Gas Combustion (7/1998), Table 1.4-1)

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

Pre-Control Potential to Emit for NO_x:

$$50 \text{ lb-NO}_x/10^6 \text{ scf-Natural Gas} \times 1 \text{ scf-Natural Gas}/1,000 \text{ Btu} \times 10^6 \text{ Btu}/1 \text{ MMBtu} \times 224,000 \text{ MMBtu/yr} = 11,200 \text{ lb-NO}_x/\text{yr} < 20,000 \text{ lb-NO}_x/\text{yr}$$

Maximum Pre-Control Potential to Emit for NO_x from Combustion of Natural Gas and Fuel Oil #2:

Natural Gas Combustion Pre-Control Emission Factor: 50 lb-NO_x/10⁶ scf
Fuel Oil #2 Pre-Control Emission Factor: 20 lb-NO_x/10³ gallon
Fuel Oil #2 Heating Value: 140 MMBtu/10³ gallon (Source: EPA AP-42, 1.3 Fuel Oil Combustion (5/2010))

Maximum Heat Input: 224,000 MMBtu/yr (current permit)
Maximum Annual Hours of Fuel Oil Combustion: 48 hr/yr (current permit)

Maximum Fuel Oil #2 Combustion Heat Input: 43 MMBtu/hr x 48 hr/yr = 2,064 MMBtu/yr

Natural Gas Combustion Heat Input: 224,000 MMBtu/yr – 2,064 MMBtu/yr = 221,936 MMBtu/yr

Pre-Control Potential to Emit for NO_x from Combustion of Natural Gas:
50 lb-NO_x/10⁶ scf-Natural Gas x 1 scf-Natural Gas/1,000 Btu x 10⁶ Btu/1 MMBtu x 221,936 MMBtu/yr = 11,097 lb-NO_x/yr

Pre-Control Potential to Emit for NO_x from Combustion of Fuel Oil #2:
20 lb-NO_x/10³ gallon x 10³ gallon/140 MMBtu x 2,064 MMBtu/yr = 295 lb-NO_x/yr

Maximum Pre-Control Potential to Emit for NO_x from Combustion of Natural Gas and Fuel Oil #2:

11,097 lb-NO_x/yr + 295 lb-NO_x/year = 11,392 lb-NO_x/yr < 20,000 lb-NO_x/yr

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

- d. C-214-5-9: 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_x Burner, and Flue Gas Recirculation (FGR) System:

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO, and VOC. NO_x emissions from the unit are reduced by the use of a low NO_x burner and Flue Gas Recirculation (FGR). Low NO_x 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_x. This unit is not equipped with any add-on controls for SO_x,

PM₁₀, CO, or VOC; therefore, CAM is not required for SO_x, PM₁₀, CO, or VOC.

The annual pre-control potential to emit for NO_x 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_x from Combustion of Natural Gas:

Natural Gas Combustion Pre-Control Emission Factor: 50 lb-NO_x/10⁶ scf
(Source: EPA AP-42, 1.4 Natural Gas Combustion (7/1998), Table 1.4-1)

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

Pre-Control Potential to Emit for NO_x:

50 lb-NO_x/10⁶ scf-Natural Gas x 1 scf-Natural Gas/1,000 Btu x 10⁶ Btu/1 MMBtu x 224,000 MMBtu/yr = 11,200 lb-NO_x/yr < 20,000 lb-NO_x/yr

Maximum Pre-Control Potential to Emit for NO_x from Combustion of Natural Gas and Fuel Oil #2:

Natural Gas Combustion Pre-Control Emission Factor: 50 lb-NO_x/10⁶ scf
Fuel Oil #2 Pre-Control Emission Factor: 20 lb-NO_x/10³ gallon
Fuel Oil #2 Heating Value: 140 MMBtu/10³ gallon (Source: EPA AP-42, 1.3 Fuel Oil Combustion (5/2010))

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

Maximum Annual Hours of Fuel Oil Combustion: 48 hr/yr (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_x from Combustion of Natural Gas:

50 lb-NO_x/10⁶ scf-Natural Gas x 1 scf-Natural Gas/1,000 Btu x 10⁶ Btu/1 MMBtu x 222,704 MMBtu/yr = 11,145 lb-NO_x/yr

Pre-Control Potential to Emit for NO_x from Combustion of Fuel Oil #2:

20 lb-NO_x/10³ gallon x 10³ gallon/140 MMBtu x 1,296 MMBtu/yr = 185 lb-NO_x/yr

Maximum Pre-Control Potential to Emit for NO_x from Combustion of Natural Gas and Fuel Oil #2:

11,135 lb-NO_x/yr + 185 lb-NO_x/year = 11,320 lb-NO_x/yr < 20,000 lb-NO_x/yr

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

- e. C-214-9-5: 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_x, SO_x, PM₁₀, 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.

- f. C-214-10-5: 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_x, SO_x, PM₁₀, 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.

- g. C-214-11-5: 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_x, SO_x, PM₁₀, 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.

- h. C-214-12-5: 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_x 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.

- i. C-214-13-5: 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_x, SO_x, PM₁₀, 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.

- j. C-214-15-5: Wood Working 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 PM₁₀ and is equipped with a dust collector, which is an add-on control for PM₁₀. Therefore, the unit may potentially be subject to CAM.

The annual pre-control potential to emit for PM₁₀ from this permit unit is calculated below using the uncontrolled PM₁₀ 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):

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

As shown above, the pre-control potential to emit for PM₁₀ from this permit unit does not exceed the applicable major source threshold for this pollutant. Therefore, this permit unit is not subject to CAM.

- k. C-214-16-8: 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.

l. C-214-45-5: 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.

m. C-214-46-4: 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 emission 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 (EF) (lb-VOC/1,000 gal)	Emission Source
8.4	Tank Filling Losses
2.1	Breathing Losses (A/G tank)
8.4	Vehicle Fueling Losses
0.61	Spillage
19.51	Total VOC Losses

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

Number of Fueling Points: 1 (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 exceed the applicable major source threshold for this pollutant. Therefore, this permit unit is not subject to CAM.

- n. C-214-47-2: 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 emission limit for PM₁₀ and is equipped with a dust collector, which is an add-on control for PM₁₀. Therefore, this permit unit may potentially be subject to CAM for PM₁₀.

The annual pre-control potential to emit for PM₁₀ from this permit unit is calculated below using the maximum emission rate for PM₁₀ for the unit and the control efficiency of the dust collector.

Maximum Emission Rate for PM₁₀: 0.1 lb-PM₁₀/day (current permit)
Dust Collector Control Efficiency: 99.9%

Pre-Control Potential to Emit for PM₁₀:

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

As shown above, the pre-control potential to emit for PM₁₀ from this permit unit does not exceed the applicable major source threshold for this pollutant. Therefore, this permit unit is not subject to CAM.

J. 40 CFR 82, Subpart B – Servicing of Motor Vehicle Air Conditioners

Pursuant to Section 82.30(a), the purpose of regulations in this subpart is to implement section 609 of the Clean Air Act, as amended (Act) regarding the servicing of motor vehicle air conditions (MVACs), and to implement section 609 of the Act regarding certain servicing, maintenance, repair and disposal of air conditioners in MVACs and MVAC-like appliances (as that term is defined in 40 CFR 82.152).

Section 82.30(b) states that 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.

40 CFR Part 82, Subpart B has been amended since the last Title V permit renewal was issued for the facility. However, compliance with the requirements of this rule will be ensured with the permit conditions on the facility-wide permit listed below:

Permit Unit #	Permit Description	Condition #s
C-214-0-4	Facility-Wide Permit	28

K. 40 CFR 82, Subpart F – Recycling and Emissions Reduction

Pursuant to Section 82.150 paragraphs (a) and (b), the purpose of this subpart is to reduce emissions of Class I and Class II refrigerants and their non-exempt substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the maintenance, service, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a Class I or Class II ozone-depleting substance or their non-exempt substitutes in accordance with Title VI of the Clean Air Act. This subpart applies to any person maintaining, servicing, or repairing appliances containing Class I, Class II or non-exempt substitute refrigerants. This subpart also applies to persons disposing of such appliances (including small appliances and motor vehicle air conditioners), refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recovery and/or recycling equipment, approved recovery and or recycling equipment testing organizations, and persons buying, selling or offering to sell Class I, Class II or non- Exempt substitutes refrigerants.

Per §82.150(b) these regulations apply to any person servicing, maintaining, or repairing appliances. This subpart also applies to persons disposing of appliances, including small appliances and motor vehicle air conditioners. In addition, this subpart applies to refrigerant reclaimers, technician certifying

programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, persons selling Class I or Class II refrigerants or offering Class I or Class II refrigerants for sale, and persons purchasing Class I or Class II refrigerants for sale, and persons purchasing Class I or Class II refrigerants.

40 CFR Part 82, Subpart F has been amended since the last Title V permit renewal was issued for this facility. However, compliance with the requirements of this rule will be ensured with the permit conditions on the facility-wide permit listed below:

Permit Unit #	Permit Description	Condition #s
C-214-0-4	Facility-Wide Permit	27

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 has not proposed to use any model general permit templates.

B. Requirements not Addressed by Model General Permit Templates

The applicant has not proposed to use any model general permit templates.

C. Obsolete Permit Shields From Existing Permit Requirements

There were no obsolete permit shields listed in the existing permit requirements.

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

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: C-214-0-4

EXPIRATION DATE: 08/31/2022

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]
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]
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-214-0-4 : Jul 20 2023 4:20PM -- ALEMANZ

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 begin November 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-1-5

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-3-6

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-4-9

EXPIRATION DATE: 08/31/2022

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 NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.001 lb-PM10/MMBtu, 150 ppmv CO @ 3% O2 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 NOx @ 3% O2 or 0.11 lb-NOx/MMBtu, 0.0016 lb-SOx/MMBtu, 0.009 lb-PM10/MMBtu, 180 ppmv CO @ 3% O2 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 NOx, CO, and O2 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 NOx or CO concentrations corrected to 3% O2, 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 NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations 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 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, 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 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-214-5-9

EXPIRATION DATE: 08/31/2022

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 NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.001 lb-PM10/MMBtu, 150 ppmv CO @ 3% O2 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 NOx @ 3% O2 or 0.12 lb-NOx/MMBtu, 0.0016 lb-SOx/MMBtu, 0.009 lb-PM10/MMBtu, 180 ppmv CO @ 3% O2 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 NOx, CO, and O2 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 NOx or CO concentrations corrected to 3% O2, 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 NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations 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 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, 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 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-214-9-5

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-10-5

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-11-5

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-12-5

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-13-5

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-15-5

EXPIRATION DATE: 08/31/2022

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-214-16-8

EXPIRATION DATE: 08/31/2022

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 and -17 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 and -17 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 and -17 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-45-5

EXPIRATION DATE: 08/31/2022

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 and -17 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 and -17 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 and -17 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
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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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
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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-46-4

EXPIRATION DATE: 08/31/2022

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 and -17 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 and -17 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 and -17 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
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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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
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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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
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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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.

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-47-2

EXPIRATION DATE: 08/31/2022

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/in³), 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.

ATTACHMENT B

Previous Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: C-214-0-3

EXPIRATION DATE: 08/31/2022

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. 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]
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-214-0-3 : Jul 12 2023 2:05PM -- ALEMANZ

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 begin November 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
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-214-1-4

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-3-5

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-4-8

EXPIRATION DATE: 08/31/2022

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 NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.001 lb-PM10/MMBtu, 150 ppmv CO @ 3% O2 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 NOx @ 3% O2 or 0.11 lb-NOx/MMBtu, 0.0016 lb-SOx/MMBtu, 0.009 lb-PM10/MMBtu, 180 ppmv CO @ 3% O2 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 NOx, CO, and O2 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 NOx or CO concentrations corrected to 3% O2, 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 NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations 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 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, 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 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-214-5-8

EXPIRATION DATE: 08/31/2022

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 NOx @ 3% O2 or 0.011 lb-NOx/MMBtu, 0.00285 lb-SOx/MMBtu, 0.001 lb-PM10/MMBtu, 150 ppmv CO @ 3% O2 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 NOx @ 3% O2 or 0.12 lb-NOx/MMBtu, 0.0016 lb-SOx/MMBtu, 0.009 lb-PM10/MMBtu, 180 ppmv CO @ 3% O2 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 NOx, CO, and O2 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 NOx or CO concentrations corrected to 3% O2, 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 NOx, CO, and O2 measurements, (2) the O2 concentration in percent and the measured NOx and CO concentrations 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 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_x 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_x 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, 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_x 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_x 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-214-9-4

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-10-4

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-11-4

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-12-4

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-13-4

EXPIRATION DATE: 08/31/2022

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-15-4

EXPIRATION DATE: 08/31/2022

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: 08/31/2022

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 and -17 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 and -17 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 and -17 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-32-7

EXPIRATION DATE: 08/31/2022

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

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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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-45-4

EXPIRATION DATE: 08/31/2022

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 and -17 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 and -17 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 and -17 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
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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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
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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-46-3

EXPIRATION DATE: 08/31/2022

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 and -17 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 and -17 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 and -17 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
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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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
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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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
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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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.

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-47-1

EXPIRATION DATE: 08/31/2022

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/in³), 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.

ATTACHMENT C

Detailed Summary List of Facility Permits

Detailed Facility Report

For Facility=214

Sorted by Facility Name and Permit Number

CALIF STATE PRISON - CORCORAN 4001 KING AVE CORCORAN, CA 93212		FAC # STATUS: TELEPHONE:	C 214 A 5599928800	TYPE: TOXIC ID:	TitleV 40016	EXPIRE ON: AREA: INSP. DATE:	08/31/2022 9 / 314 05/24
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-214-1-4	188 BHP IC ENGINE	3020-10 B	1	143.00	143.00	A	188 BHP DETROIT DIESEL MODEL DDFPO4AT-7008 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP (LOCATED IN BUILDING 213)
C-214-2-0	4.0 BHP	3020-01 A	1	107.00	107.00	D	BOWE MODEL PERMAC FLEXIBLE GMBH M-40, 45 LB CAPACITY CLOSED-LOOP, DRY-TO-DRY, PERCHLOROETHYLENE DRY CLEANING MACHINE WITH REFRIGERATED VAPOR CONDENSER (LOCATED AT 3A VOCATIONAL BUILDING 310A)
C-214-3-5	22. hp electric motors	3020-01 A	1	107.00	107.00	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-214-4-8	43 MMBTU/HR BOILER	3020-02 H	1	1,238.00	1,238.00	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-214-5-8	27 MMBTU/HR BOILER	3020-02 H	1	1,238.00	1,238.00	A	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
C-214-6-0	1,500 KW IC GENERATOR SET #1	3020-08A C	1	1,840.00	1,840.00	D	2,108 HP ALCO MODEL 12V-251-SI I.C. ENGINE #1, SN 17502, WITH ENGLEHARD INDUSTRIES 40 340-1 CATALYTIC CONVERTER, DRIVING A 1,500 KW GENERATOR. *****TAKEN OUT OF SERVICE**** DW, 8/23/95
C-214-7-0	1,500 KW I.C. GENERATOR SET #2	3020-08A C	1	1,840.00	1,840.00	D	2,180 HP ALCO MODEL 12V-251-SI I.C. ENGINE #2, SN 17501, WITH ENGLEHARD INDUSTRIES 40 340-1 CATALYTIC CONVERTER, DRIVING A 1,500 KW GENERATOR. *****TAKEN OUT OF SERVICE***** DW, 8/23 95
C-214-8-0	ETHYLENE OXIDE GAS STERILIZER	3020-03 A	1	107.00	107.00	D	AMSCO EAGLE 3000 SERIES ETHYLENE OXIDE GAS STERILIZER WITH AMSCO EO DISPOSER SYSTEM
C-214-9-4	1,490 BHP IC ENGINE	3020-10 F	1	900.00	900.00	A	1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BUILDING 210)
C-214-10-4	1,490 BHP IC ENGINE	3020-10 F	1	900.00	900.00	A	1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BUILDING 210)
C-214-11-4	1,490 BHP IC ENGINE	3020-10 F	1	900.00	900.00	A	1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BUILDING 201)

Detailed Facility Report

For Facility=214

7/12/23

2:01 pm

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-214-12-4	1,593 BHP IC ENGINE	3020-10 F	1	900.00	900.00	A	1,593 BHP CATERPILLAR MODEL 3512 DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED AT HOSPITAL)
C-214-13-4	390 BHP IC ENGINE	3020-10 C	1	290.00	290.00	A	390 BHP CUMMINS MODEL NT855G3 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BUILDING 212)
C-214-14-1	1 NOZZLE	3020-11 A	1	42.00	42.00	D	ONE 6,000 GALLON UNDERGROUND STORAGE TANK SERVED BY COAXIAL PHASE I VAPOR RECOVERY SYSTEM (G-70-47-B) AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-52-AM)
C-214-15-4	30 BHP ELECTRIC MOTORS	3020-01 B	1	143.00	143.00	A	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
C-214-16-7	PAINTING OPERATION	3020-06	1	128.00	128.00	A	WOOD AND METAL PARTS COATING OPERATION USING BRUSHES AND ROLLERS (BUILDING 309C)
C-214-17-0	2 HP	3020-01 A	1	107.00	107.00	D	2 HP VOCATIONAL EDUCATION PAINT SPRAY OPERATION WITH VIKING MODEL PF A8-8-TLH PAINT SPRAY BOOTH. USE OF WATER CLEANUP COATING ONLY. LOCATED IN BLDG 310-C, ROOM 400. ** DELETED 1/18/2000 PER APPLICANTS REQUEST ACCORDING TO C/O DATED 12/21/1999, SR **
C-214-19-1	2876 HP DIESEL EMERGENCY ICE	3020-10 F	1	900.00	900.00	D	2,876 BHP CATERPILLAR MODEL 3516B DITA DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR FOR CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES.
C-214-20-0	368 BHP IC Engine	3020-10 C	1	290.00	290.00	D	368 BHP CLARKE MODEL DDFP-06FA DIESEL-FIRED EMERGENCY IC ENGINE, POWERING ITT AC MODEL 12X10X18F FIRE PUMP AT CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES.
C-214-21-2	2 nozzles	3020-11 A	2	42.00	84.00	D	ONE 10,000 GALLON UNDERGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM (G-70-97-A) AND 2 FUELING POINTS WITH 2 GASOLINE DISPENSING NOZZLES SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-52-AM) AT CORCORAN II SITE, QUEBEC & 4TH AVE
C-214-22-0	80 MMBTU/HR	3020-02 H	1	1,238.00	1,238.00	D	80 MMBTU/HR HUGH DEAN AND CO., INC. ABOVE GROUND LPG FLARE USED DURING CALIBRATION OF A STANDBY LPG FUEL SYSTEM (ONLY USED DURING PERIODS OF NATURAL GAS SERVICE INTERRUPTION) AT CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES.
C-214-23-1	2876 HP ICE	3020-10 F	1	900.00	900.00	D	2,876 BHP CATERPILLAR MODEL 3516B DITA DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR FOR CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES.
C-214-24-1	2876 HP IC Engine	3020-10 F	1	900.00	900.00	D	2,876 BHP CATERPILLAR MODEL 3516B DITA DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR FOR CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES.

Detailed Facility Report

For Facility=214

7/12/23

2:01 pm

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-214-25-1	2876 HP IC Engine	3020-10 F	1	900.00	900.00	D	2,876 BHP CATERPILLAR MODEL 3516B DITA DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR FOR CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES.
C-214-26-1	31.5 HP Electric Motor	3020-01 B	1	143.00	143.00	D	WOODWORKING OPERATION SERVED BY A 4,600 CFM AMERICAN AIR FILTER MODEL AR-60 DUST COLLECTOR. LOCATION: BUILDING 543
C-214-27-0	7.5 HP	3020-01 A	1	107.00	107.00	D	22.5 HP WOODWORKING OPERATION SERVED BY A 3,400 CFM, 7.5 HP AMERICAN AIR FILTER DUST COLLECTOR, MODEL AR-45. LOCATION: VOCATIONAL EDUCATIONAL CARPENTRY OPERATIONS BUILDING #565 AT CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES.
C-214-28-0	71 HP	3020-01 C	1	239.00	239.00	D	71 HP WOODWORKING OPERATION SERVED BY A 10,000 CFM, 30 HP AMERICAN AIR FILTER DUST COLLECTOR, MODEL AB-75. LOCATION: VOCATIONAL EDUCATION CABINET MAKING, BUILDING #565 AT CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES.
C-214-29-0	33 HP	3020-01 B	1	143.00	143.00	D	33 HP WOODWORKING OPERATION SERVED BY A 5,800 CFM, 20.0 HP AMERICAN AIR FILTER DUST COLLECTOR, MODEL AR-60. LOCATION: VOCATIONAL EDUCATION CARPENTRY TRADES, BUILDING # 565 AT CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES.
C-214-30-0	28 hp electrical motors	3020-01 B	1	143.00	143.00	D	WOODWORKING OPERATION SERVED BY A 4,350 CFM, 15.0 HP AMERICAN AIR FILTER DUST COLLECTOR, MODEL AR-55. LOCATION: VOCATIONAL EDUCATION MAINTENANCE, BUILDING #566. TOTAL RATING = 28.0 HP
C-214-31-0	896 BHP IC Engine	3020-10 E	1	723.00	723.00	D	896 HP CATERPILLAR MODEL 3412 DITA DIESEL-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR FOR CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES.
C-214-32-7	8.1 MMBtu/hr boiler	3020-02 G	1	980.00	980.00	A	8.1 MMBTU/HR CLAYTON INDUSTRIES MODEL SLG-204-2-LNG NATURAL GAS-FIRED BOILER WITH A LOW NOX BURNER
C-214-33-2	6.75 electric hp	3020-01 A	1	107.00	107.00	D	6.75 HP OFFSET LITHOGRAPHIC PRINTING OPERATION WITH TWO PRINTERS (HAMADA MDLS ES47S-CX & C-252-CX) & 3 DUPLICATORS (AM MULTIGRAPHICS MDLS 1450 & 1650, A.B. DICK MDL 8815). LOCATED IN VOCATIONAL EDUCATION GRAPHIC ARTS SHOP, BLDG #566 AT CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES
C-214-38-3	0.75 hp	3020-01 A	1	107.00	107.00	D	0.75 HP SCREEN PRINTING OPERATION INCLUDING A.W.T. ACCU-PRINT SEMI-AUTOMATIC SCREEN PRINTER (MODEL AP 2538), SUPER-TEX HEAVY DUTY TEXTILE PRINTER, AND SERI-GLIDE FLAT BED MANUAL PRINTING UNIT. LOCATED IN BUILDING #565
C-214-41-0	7 HP	3020-01 A	1	107.00	107.00	D	MULTIMATIC SHOP STAR 380 45 LB CAPACITY CLOSED-LOOP DRY-TO-DRY PERCHLOROETHYLENE DRY CLEANING MACHINE WITH REFRIGERATED VAPOR CONDENSER AND CARBON ADSORBER. LOCATED IN VOCATIONAL EDUCATION DRY CLEANING, BUILDING #556 AT CORCORAN II STATE PRISON, QUEBEC & TH AVENUES.

Detailed Facility Report

For Facility=214

7/12/23

2:01 pm

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-214-42-1	1.165 MMBtu/hr	3020-02 D	1	379.00	379.00	D	MOTOR VEHICLE AND MOBILE EQUIPMENT COATING OPERATION WITH BINKS CS-SC-528-D5 PAINT SPRAY BOOTH (28'L X 14"W X 12'H), HVLP SPRAY EQUIPMENT, ENCLOSED GUN CLEANER, AND 1.165 MMBTU/HR HEATER. LOCATED IN VOCATIONAL EDUCATION AUTO PAINT SHOP, BUILDING #526 AT CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES
C-214-43-2	3 HP Electric Motor	3020-01 A	1	107.00	107.00	D	WOOD AND METAL PARTS AND PRODUCTS COATING OPERATION WITH BINKS PFA-8-8-TLH PAINT SPRAY BOOTH (5'X 7.67'X 8'), HVLP SPRAY EQUIPMENT, AND ENCLOSED GUN CLEANER. LOCATED IN BLDG #545 AT CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES
C-214-44-1	0.75 hp	3020-01 A	1	107.00	107.00	D	WOOD PRODUCTS COATING OPERATION WITH BINKS PFA-5-7-TLH SPRAY BOOTH (5'X 5'X 7'), HVLP SPRAY EQUIPMENT, AND ENCLOSED GUN CLEANER. LOCATED IN VOCATIONAL EDUCATION WOODWORKING PAINT SHOP, BLDG #566, RM 144, AT CORCORAN II STATE PRISON, QUEBEC & 4TH AVENUES
C-214-45-4	1.75 MMBTU/HR BURNER	3020-02 E	1	495.00	495.00	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-214-46-3	1 NOZZLE	3020-11 A	1	42.00	42.00	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-214-47-1	19.7 KVA	3020-03 A	1	107.00	107.00	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