



SEP 10 2012

Suzan Hubbard
California State Prison – Corcoran
4001 King Ave
Corcoran, CA 93212

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # C-214
Project # C-1110702**

Dear Ms. Hubbard:

Enclosed for your review and comment is the District's analysis of California State Prison – Corcoran's application for the Federally Mandated Operating Permit for its correctional facility, 4001 King Ave in Corcoran, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

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

Sincerely,

David Warner
Director of Permit Services

cc: Juscélino Siongco, Permit Services Engineer

Attachments

Seyed Sadredin
Executive Director/Air Pollution Control Officer

Northern Region
4800 Enterprise Way
Modesto, CA 95356-8718
Tel: (209) 557-6400 FAX: (209) 557-6475

Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5585



SEP 10 2012

Gerardo C. Rios, Chief
Permits Office (AIR-3)
U.S. EPA - Region IX
75 Hawthorne St
San Francisco, CA 94105

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # C-214
Project # C-1110702**

Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of California State Prison – Corcoran's application for the Federally Mandated Operating Permit for its correctional facility, 4001 King Ave in Corcoran, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 45-day comment period which begins on the date of publication of the public notice.

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

Sincerely,

David Warner
Director of Permit Services

cc: Juscélino Siongco, Permit Services Engineer

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SEP 10 2012

Mike Tollstrup, Chief
Project Assessment Branch
Air Resources Board
P O Box 2815
Sacramento, CA 95812-2815

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # C-214
Project # C-1110702**

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of California State Prison – Corcoran's application for the Federally Mandated Operating Permit for its correctional facility, 4001 King Ave in Corcoran, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. Please submit your written comments on this project within the 30-day comment period which begins on the date of publication of the public notice.

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

Sincerely,

David Warner
Director of Permit Services

cc: Juscelino Siongco, Permit Services Engineer

Attachments

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Hanford Sentinel

**NOTICE OF PRELIMINARY DECISION
FOR THE PROPOSED ISSUANCE OF
FEDERALLY MANDATED OPERATING PERMITS**

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed issuance of the Federally Mandated Operating permits to California State Prison – Corcoran for its correctional facility, 4001 King Ave in Corcoran, California.

The District's analysis of the legal and factual basis for this proposed action, project #C-1110702, is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and the District office at the address below. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed Federally Mandated Operating initial permits. If requested by the public, the District will hold a public hearing regarding issuance of this initial permit. For additional information, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900. Written comments on the proposed initial permit must be submitted within 30 days of the publication date of this notice to DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CALIFORNIA 93726-0244.

**SAN JOAQUIN VALLEY
UNIFIED AIR POLLUTION CONTROL DISTRICT**

CALIF STATE PRISON - CORCORAN

PROPOSED ENGINEERING EVALUATION

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TITLE V APPLICATION REVIEW

Project #: C-1110702
Deemed Complete: April 26, 2011

Engineer: Juscelino Siongco
Date: August 27, 2012

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

Contact Name: Marshall Fechner
Phone: (559) 331-4500

Responsible Official: Suzan Hubbard
Title: Warden

I. PROPOSAL

California State Prison – Corcoran is proposing that an initial Title V permit be issued for its correctional facility at 4001 King Ave Corcoran, Kings County, CA. The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with those applicable requirements, and to provide the legal and factual basis for proposed permit conditions.

II. FACILITY LOCATION

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

III. EQUIPMENT LISTING

A detailed facility printout listing all permitted equipment at the facility is shown in Attachment A.

A summary of the exempt equipment categories which describe the insignificant activities or equipment at the facility not requiring a permit is shown in Attachment B. This equipment is not exempt from facility-wide requirements.

IV. GENERAL PERMIT TEMPLATE USAGE

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

V. SCOPE OF EPA AND PUBLIC REVIEW

The applicant has not requested to utilize any model general permit templates. Therefore, the proposed permit in its entirety is subject to EPA and public review.

VI. REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES

The applicant proposes not to utilize any model general permit templates. All applicable requirements are explicitly addressed in the permit outside of the general permit templates.

VII. REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES

District Rule 1081, Source Sampling (Amended December 16, 1993)

District Rule 1100, Equipment Breakdown (Amended December 17, 1992) (Non-SIP replacement for Kings County Rule 111)

District Rule 1160, Emission Statements (Adopted November 18, 1992)

District Rule 2010, Permits Required (Amended December 17, 1992)

District Rule 2020, Exemptions (Amended August 18, 2011)

District Rule 2031, Transfer of Permits (Amended December 17, 1992)

District Rule 2040, Applications (Amended December 17, 1992)

District Rule 2070, Standards for Granting Applications (Amended December 17, 1992)

District Rule 2080, Conditional Approval (Amended December 17, 1992)

District Rule 2201, New and Modified Stationary Source Review Rule (Amended April 21, 2011)

District Rule 2520, Federally Mandated Operating Permits (Amended June 21, 2001)

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 4306, Boilers, Steam Generators, and Process Heaters–Phase 3 (Amended October 16, 2008)

District Rule 4320, Advanced Emission Reduction Options for Boilers, Steam Generators, and Process Heaters Greater than 5.0 MMBtu/hr (Adopted October 16, 2008)

District Rule 4601, Architectural Coatings (Amended December 17, 2009)

District Rule 4603, Surface Coating of Metal Parts and Products, Plastic Parts and Products, and Pleasure Crafts (Amended September 17, 2009)

District Rule 4606, Wood Products and Flat Wood Paneling Products Coating Operations (Amended October 16, 2008)

District Rule 4621, Gasoline Transfer into Stationary Storage Containers, Delivery Vessels, and Bulk Plants (Amended December 20, 2007)

District Rule 4622, Gasoline Transfer into Motor Vehicle Fuel Tanks (Amended December 20, 2007)

District Rule 4701, Internal Combustion Engines – Phase 1 (Amended August 21, 2003)

District Rule 4702, Internal Combustion Engines – Phase 2 (Amended August 18, 2011)

District Rule 8011, General Requirements (Amended August 19, 2004)

District Rule 8021, Construction, Demolition, Excavation, and Other Earthmoving Activities (Amended August 19, 2004)

District Rule 8031, Bulk Materials (Amended August 19, 2004)

District Rule 8041, Carryout and Trackout (Amended August 19, 2004)

District Rule 8051, Open Areas (Amended August 19, 2004)

District Rule 8061, Paved and Unpaved Roads (Amended August 19, 2004)

District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (Amended September 16, 2004)

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

40 CFR Part 61, Subpart M, National Emission Standard for Asbestos

40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

40 CFR Part 64, Compliance Assurance Monitoring (CAM)

40 CFR Part 82, Subpart B and F, Stratospheric Ozone

VIII. 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 and State-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.

This facility is subject to the following rules that are not currently federally enforceable:

District Rule 4102 – Nuisance

This rule prevents the 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.

C-214-0-2 – Facility-Wide Requirements

- Condition 40 on the proposed permit complies with this rule.

District Rule 4801 – Sulfur Compounds

This rule limits the 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 averaged over 15 consecutive minutes.

- a. C-214 -1-3: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)
 - Condition 7 on the requirements for this permit unit complies with this rule.
- b. C-214-9-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - Condition 5 on the requirements for this permit unit complies with this rule.
- c. C-214-10-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - Condition 5 on the requirements for this permit unit complies with this rule.

- d. C-214-11-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 201)
 - Condition 5 on the requirements for this permit unit complies with this rule.
- e. C-214-12-3: 1,593 bhp Caterpillar Model 3512 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)
 - Condition 8 on the requirements for this permit unit complies with this rule.
- f. C-214-13-3: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 212)
 - Condition 8 on the requirements for this permit unit complies with this rule.

Title 17 California Code of Regulations (CCR), Section 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression-Ignition (CI) Engines

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

- a. C-214 -1-3: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)
 - Conditions 5, 7 through 10, and 12 on the requirements for this permit unit comply with this rule.
- b. C-214-9-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - Conditions 5, 7, 8, 11, 12, and 14 on the requirements for this permit unit comply with this rule.
- c. C-214-10-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - Conditions 5, 7, 8, 11, 12, and 14 on the requirements for this permit unit comply with this rule.
- d. C-214-11-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 201)
 - Conditions 5, 7, 8, 11, 12, and 14 on the requirements for this permit unit comply with this rule.

- e. C-214-12-3: 1,593 bhp Caterpillar Model 3512 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)
 - Conditions 6, 8, 9, 11, 12, and 14 on the requirements for this permit unit comply with this rule.
- f. C-214-13-3: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 212)
 - Conditions 6, 8, 9, 11, 12, and 14 on the requirements for this permit unit comply with this rule.

IX. COMPLIANCE

A. Requirements Addressed by Model General Permit Templates

1. Facility Wide Requirements

The applicant proposes not to utilize any model general permit templates. All applicable requirements are addressed in the following sections.

B. Requirements Not Addressed by Model General Permit Templates

1. District Rule 1081 – Source Sampling

The purpose of this rule is to ensure that any source operation which emits or may emit air contaminants provides adequate and safe facilities for use in sampling to determine compliance. This rule also specifies methods and procedures for source testing, sample collection, and compliance determination.

§7.0 Administrative Requirements

§7.1 The District must be notified 30 days prior to any compliance source testing and the owner shall submit a source test plan for District approval 15 days prior to source sampling.

§7.2 Source sampling to determine the compliance status of an emissions source shall be witnessed or authorized by District personnel.

§7.3 Source test reports must be submitted to the District within 60 days of completion of field testing. Source tests must be submitted for all District authorized compliance source tests regardless of pass, fail or reschedule because of failure, status.

- a. C-214-4-7: 43 MMBtu/hr Cleaver Brooks Model #D-60E Natural Gas-Fired Boiler with Fuel Oil #2 as Back-Up Fuel, Low NO_x Burner, and Flue Gas Recirculation System
 - Conditions 23 and 28 on the requirements for this permit unit comply with this rule.
- b. C-214-5-7: 27 MMBtu/hr Cleaver Brooks Model D-24E Natural Gas-Fired Boiler with Low NO_x Burner, Flue Gas Recirculation System, and Fuel Oil #2 as Back-Up Fuel
 - Conditions 23 and 28 on the requirements for this permit unit comply with this rule.
- c. C-214-46-1: Gasoline Dispensing Operation with One 12,000 Gallon Split (8,000 Gallon Gasoline/4,000 Gallon Diesel) Aboveground Storage Tank Served by Two-Point Phase I Vapor Recovery System, and 1 Fueling Point with 1 Gasoline Dispensing Nozzle Served by Balance Phase II Vapor Recovery System (G-70-162)
 - Conditions 18 and 19 on the requirements for this permit unit comply with this rule.

2. District Rule 1100 – Equipment Breakdown

This rule defines a breakdown condition and the procedures to follow if one occurs. The corrective action, the issuance of an emergency variance, and the reporting requirements are also specified. Sections 6.0 and 7.0 prescribe breakdown procedures and reporting requirements. District Rule 1100 has been submitted to the EPA to replace Kings County Rule 111 that is in the State Implementation Plan (SIP). District Rule 1100 is at least as stringent as the county SIP rule addressing breakdowns, as shown in following.

Comparison of District Rule 1100 to Kings County Rule 111

REQUIREMENTS	District Rule 1100	Kings County Rule 111
A breakdown occurrence must be reported as soon as reasonably possible but no later than 1 hour after detection.	X	X
A variance must be obtained if the occurrence will last longer than a production run or 24 hours, whichever is shorter (96 hours for CEM systems).	X	X
A report must be submitted to the APCO within 10 days of the correction of the breakdown occurrence which includes:	X	X
1) A statement that the breakdown condition has been corrected, together with the date of correction and proof of compliance.	X	X

REQUIREMENTS	District Rule 1100	Kings County Rule 111
2) A specific statement of the reason(s) or cause(s) for the occurrence sufficient to enable the APCO to determine whether the occurrence was a breakdown condition.	X	X
3) A description of the corrective measures undertaken and/or to be undertaken to avoid such an occurrence in the future.	X	
4) Pictures of the equipment or controls which failed if available.	X	

C-214-0-2: Facility-Wide Requirements

- Conditions 1 and 2 on the requirements for the proposed permit comply with this rule.

3. District Rule 1160 – Emission Statements

The purpose of this rule is to provide the District with an accurate accounting of emissions from significant sources with which the District and California EPA Air Resources Board (ARB) can compile an accurate inventory. Section 5.0 requires the owner or operator of any stationary source to provide the District with a written emissions statement showing actual emissions of reactive organic gases (ROGs) and nitrogen oxides (NOx) from that source. The District waives this requirement for sources emitting less than 25 tons per year of these pollutants if the District provides the Air Resources Board (ARB) with an emissions inventory of sources emitting greater than 10 tons per year of NOx or ROGs based on the use of emission factors acceptable to the ARB.

C-214-0-2: Facility-Wide Requirements

- Condition 3 on the requirements for the proposed permit complies with this rule.

4. District Rule 2010 – Permits Required

District Rule 2010 sections 3.0 and 4.0 require any person building, modifying or replacing any operation that may cause the issuance of air contaminants to apply for an Authority to Construct (ATC) from the District in advance. The ATC will remain in effect until the Permit to Operate (PTO) is granted.

C-214-0-2: Facility-Wide Requirements

- Condition 4 on the requirements for the proposed permit complies with this rule.

5. District Rule 2020 – Exemptions

District Rule 2020 lists equipment which is specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions.

C-214-0-2: Facility-Wide Requirements

- Condition 4 on the requirements for the proposed permit complies with this rule.

6. District Rule 2031 – Transfer of Permits

This rule requires a permit to operate or an authority to construct shall not be transferable, whether by operation of law or otherwise, from one location to another, from one piece of equipment to another, or from one person to another, unless a new application is filed with and approved by the APCO.

C-214-0-2: Facility-Wide Requirements

- Condition 6 on the requirements for the proposed permit complies with this rule.

7. District Rule 2040 – Applications

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.

C-214-0-2: Facility-Wide Requirements

- Condition 7 on the requirements for the proposed permit complies with this rule.

8. District Rule 2070 – Standards for Granting Applications

The purpose of this rule is to explain the standards by which an APCO may deny an application for an Authority to Construct or Permit to Operate. Any source operation must be constructed and operated in accordance with Rule 2201 (New and Modified Stationary Source Review Rule), Rule 4001 (New Source Performance Standards), and Rule 4002 (National Emissions Standards for Hazardous Air Pollutants), the Authority to Construct, and the Permit to Operate.

C-214-0-2: Facility-Wide Requirements

- Condition 5 on the requirements for the proposed permit complies with this rule.

9. District Rule 2080 – Conditional Approval

The purpose of this rule is to grant authority to the APCO to issue or revise specific written conditions on an Authority to Construct or a Permit to Operate to assure compliance with air contaminant emission standards or limitations.

C-214-0-2: Facility-Wide Requirements

- Condition 5 on the requirements for the proposed permit complies with this rule.

10. District Rule 2201 – New and Modified Stationary Source Review Rule

The permit unit is subject to the District Rule 2201 upon application for Authority to Construct (ATC). In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the resulting Permit to Operate (PTO) were addressed to define how NSR permit terms should be incorporated into the Title V permit.

- a. C-214-1-3: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)
 - Conditions 1, 2, and 3 from the current PTO have been included as conditions 1, 2, and 3 on the requirements for the proposed permit.
 - Condition 4 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Condition 5 from the current PTO has been included as condition 4 on the requirements for the proposed permit.
 - Condition 6 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Conditions 7 through 12 from the current PTO have been included as conditions 5 through 10 on the requirements for the proposed permit.

- b. C-214-3-3: Woodworking Operation Including: (2) Radial Arm Saws, (3) Floor Sweeps, and (1) Table Saw All Served by a Sternvent Model 3630 Dust Collector with a 36" Diameter Cyclone and 300 Square Feet of Fabric Filter Area (Located in BLDG 313B, Plant Operation Wood Shop)
- Conditions 1, 2, 3, and 4 from the current PTO have been included as conditions 1, 2, 3, and 4 on the requirements for the proposed permit.
 - Condition 5 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Condition 6 from the current PTO has been moved to the Facility-Wide permit as condition 40.
- c. C-214-4-7: 43 MMBtu/hr Cleaver Brooks Model #D-60E Natural Gas-Fired Boiler with Fuel Oil #2 as Back-Up Fuel, Low NO_x Burner, and Flue Gas Recirculation System
- Conditions 1, 2, and 3 from the current PTO have been included as conditions 1, 2, and 3 on the requirements for the proposed permit.
 - Condition 4 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Condition 5 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Conditions 6 through 35 from the current PTO have been included as conditions 4 through 33 on the requirements for the proposed permit.
- d. C-214-5-7: 27 MMBtu/hr Cleaver Brooks Model D-24E Natural Gas-Fired Boiler with Low NO_x Burner, Flue Gas Recirculation System, and Fuel Oil #2 as Back-Up Fuel
- Conditions 1, 2, and 3 from the current PTO have been included as conditions 1, 2, and 3 on the requirements for the proposed permit.
 - Condition 4 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Condition 5 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Conditions 6 through 35 from the current PTO have been included as conditions 4 through 33 on the requirements for the proposed permit.

- e. C-214-9-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
- Conditions 1, 2, 3, and 4 from the current PTO have been included as conditions 1, 2, 3, and 4 on the requirements for the proposed permit.
 - Condition 5 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Condition 6 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Conditions 7 through 13 from the current PTO have been included as conditions 5 through 11 on the requirements for the proposed permit.
 - Condition 14 from the current PTO has been updated to current requirements and included as condition 12 on the requirements for the proposed permit.
 - Condition 15 from the current PTO has been included as condition 14 on the requirements for the proposed permit.
- f. C-214-10-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
- Conditions 1, 2, 3, and 4 from the current PTO have been included as conditions 1, 2, 3, and 4 on the requirements for the proposed permit.
 - Condition 5 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Condition 6 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Conditions 7 through 13 from the current PTO have been included as conditions 5 through 11 on the requirements for the proposed permit.
 - Condition 14 from the current PTO has been updated to current requirements and included as condition 12 on the requirements for the proposed permit.
 - Condition 15 from the current PTO has been included as condition 14 on the requirements for the proposed permit.

- g. C-214-11-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 201)
- Conditions 1, 2, 3, and 4 from the current PTO have been included as conditions 1, 2, 3, and 4 on the requirements for the proposed permit.
 - Condition 5 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Condition 6 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Conditions 7 through 13 from the current PTO have been included as conditions 5 through 11 on the requirements for the proposed permit.
 - Condition 14 from the current PTO has been updated to current requirements and included as condition 12 on the requirements for the proposed permit.
 - Condition 15 from the current PTO has been included as condition 14 on the requirements for the proposed permit.
- h. C-214-12-3: 1,593 bhp Caterpillar Model 3512 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)
- Conditions 1, 2, 3, and 4 from the current PTO have been included as conditions 1, 2, 3, and 4 on the requirements for the proposed permit.
 - Condition 5 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Condition 6 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Conditions 7 through 13 from the current PTO have been included as conditions 5 through 11 on the requirements for the proposed permit.
 - Condition 14 from the current PTO has been updated to current requirements and included as condition 12 on the requirements for the proposed permit.
 - Conditions 15 and 16 from the current PTO have not been included on the requirements for the proposed permit. The conditions are extraneous since the emission unit is not on the grounds or within 500 feet of the property boundary a K-12 school.
 - Condition 17 from the current PTO has been included as condition 14 on the requirements for the proposed permit.

- i. C-214-13-3: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 212)
- Conditions 1, 2, 3, and 4 from the current PTO have been included as conditions 1, 2, 3, and 4 on the requirements for the proposed permit.
 - Condition 5 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Condition 6 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Conditions 7 through 13 from the current PTO have been included as conditions 5 through 11 on the requirements for the proposed permit.
 - Condition 14 from the current PTO has been updated to current requirements and included as condition 12 on the requirements for the proposed permit.
 - Condition 15 from the current PTO has been included as condition 14 on the requirements for the proposed permit.
- j. C-214-15-3: Woodworking Operation Including: (2) Belt Sanders, (1) Planer, (1) Lathe, (1) Panel Saw, (1) Jointer, (1) Router, (1) Table Saw, ADB (1) Radial Arm Saw All Served by a 7,000 CFM Sternvent Model CYH3630-76 Dust Collector with a 36" Diameter Cyclone
- Condition 1 from the current PTO has been included as condition 1 on the requirements for the proposed permit.
 - Condition 2 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Condition 3 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Conditions 4 and 5 from the current PTO have been included as conditions 2 and 3 on the requirements for the proposed permit.
- k. C-214-16-6: Wood and Metal Parts Coating Operation Using Brushes and Rollers (BLDG 309C)
- Conditions 1 through 6 from the current PTO have been included as conditions 1 through 6 on the requirements for the proposed permit.
 - Condition 7 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Conditions 8 through 13 from the current PTO have been included as conditions 7 through 12 on the requirements for the proposed permit.

- Conditions 14 through 19 from the current PTO have been updated to current Rule 4603 and 4606 requirements and included as conditions 13 through 22 on the requirements for the proposed permit.
 - Condition 20 from the current PTO has been included as condition 23 on the requirements for the proposed permit.
- I. C-214-32-5: 8.1 MMBtu/hr Clayton Industries Model SLG-204-2-LNG Natural Gas-Fired Boiler with a Low NO_x Burner
- Conditions 1 and 2 from the current PTO have been included as conditions 1 and 2 on the requirements for the proposed permit.
 - Condition 3 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Condition 4 from the current PTO has been moved to the Facility-Wide permit as condition 22.
 - Conditions 5 through 16 from the current PTO have been included as conditions 3 through 14 on the requirements for the proposed permit.
- m. C-214-45-3: Metal Parts and Products Coating Operation with HVLP Spray Gun, Paint Spray Booth with Exhaust Filters, Spray Gun Cleaner, and 1.75 MMBtu/hr Drying Oven
- Conditions 1 through 7 from the current PTO have been included as conditions 1 through 7 on the requirements for the proposed permit.
 - Condition 8 from the current PTO has been moved to the Facility-Wide permit as condition 40.
 - Conditions 9 through 11 from the current PTO have been included as conditions 8 through 10 on the requirements for the proposed permit.
 - Condition 12, 13, and 14 from the current PTO have been included as conditions 15, 11, and 16, respectively, on the requirements for the proposed permit.
 - Conditions 15 through 18 from the current PTO have been updated to current Rule 4603 requirements and included as conditions 14, 17 through 19 on the requirements for the proposed permit.
 - Conditions 19, 20, and 21 from the current PTO have been included as conditions 12, 13, and 20 on the requirements for the proposed permit.

n. C-214-46-1: Gasoline Dispensing Operation with One 12,000 Gallon Split (8,000 Gallon Gasoline/4,000 Gallon Diesel) Aboveground Storage Tank Served by Two-Point Phase I Vapor Recovery System, and 1 Fueling Point with 1 Gasoline Dispensing Nozzle Served by Balance Phase II Vapor Recovery System (G-70-162)

- Conditions 1 through 6 from the current PTO have been included as conditions 1 through 6 on the requirements for the proposed permit.
- Condition 7 from the current PTO has been moved to the Facility-Wide permit as condition 40.
- Conditions 8 through 20 from the current PTO have been included as conditions 7 through 19 on the requirements for the proposed permit.

11. District Rule 2520 – Federally Mandated Operating Permits

The purpose of this rule is to provide for the following: An administrative mechanism for issuing operating permits for new and modified sources of air contaminants in accordance with requirements of 40 CFR Part 70. An administrative mechanism for issuing renewed operating permits for sources of air contaminants in accordance with requirements of 40 CFR Part 70. An administrative mechanism for revising, reopening, revoking, and terminating operating permits for sources of air contaminants in accordance with requirements of 40 CFR Part 70. An administrative mechanism for incorporating requirements authorized by preconstruction permits issued under District Rule 2201 (New and Modified Stationary Source Review) in a Part 70 permit as administrative amendments, provided that such permits meet procedural requirements substantially equivalent to the requirements of 40 CFR 70.7 and 70.8, and compliance requirements substantially equivalent to those contained in 40 CFR 70.6. The applicable federal and local requirements to appear on a single permit.

Section 5.2 requires permittees submit applications for Title V permit renewal at least six months prior to permit expiration.

C-214-0-2: Facility-Wide Requirements

- Condition 37 on the requirements for the proposed permit complies with this rule.

Section 9.0 of District Rule 2520 requires certain elements to be contained in each Title V permit:

Section 9.1.1 of District Rule 2520 requires all conditions on Title V permits specify a reference of the origin of an authority for each term or condition, and identify any difference in form as compared to the applicable requirements upon which the term or condition is based.

Section 9.3.2 Where applicable requirements do not require periodic testing or instrumental or non-instrumental monitoring, periodic monitoring to yield reliable data for the relevant time period that are representative of the source's compliance with the permit, as reported pursuant to the requirements of section 9.5 of this rule. Such monitoring requirements shall assure use of terms, test methods, units, averaging periods, and other statistical conventions consistent with applicable requirement. Recordkeeping requirements may be sufficient to meet the requirements of this section.

- a. C-214-3-3: Woodworking Operation Including: (2) Radial Arm Saws, (3) Floor Sweeps, and (1) Table Saw All Served by a Sternvent Model 3630 Dust Collector with a 36" Diameter Cyclone and 300 Square Feet of Fabric Filter Area (Located in BLDG 313B, Plant Operation Wood Shop)
 - Conditions 5 and 6 on the requirements for the proposed permit comply with this rule.
- b. C-214-15-3: Woodworking Operation Including: (2) Belt Sanders, (1) Planer, (1) Lathe, (1) Panel Saw, (1) Jointer, (1) Router, (1) Table Saw, ADB (1) Radial Arm Saw All Served by a 7,000 CFM Sternvent Model CYH3630-76 Dust Collector with a 36" Diameter Cyclone
 - Conditions 5 and 6 on the requirements for the proposed permit comply with this rule.

Section 9.4 contains requirements to incorporate all applicable recordkeeping requirements into the Title V permit. This section also specifies records of any required monitoring and support data be kept for a period of five years.

C-214-0-2: Facility-Wide Requirements

- Conditions 8 and 9 on the requirements for the proposed permit comply with this rule.

Section 9.5 requires the submittal of monitoring reports at least every six months. Prompt reporting of deviations from permitting requirements,

including those attributable to upset conditions is also required. The responsible official must certify all required reports.

C-214-0-2: Facility-Wide Requirements

- Conditions 10 and 11 on the requirements for the proposed permit comply with this rule.

Section 9.7 states that the Title V permit must also contain a severability clause in case of a court challenge.

C-214-0-2: Facility-Wide Requirements

- Condition 12 on the requirements for the proposed permit complies with this rule.

Section 9.8 contains requirements for provisions in the Title V permit stating 1) the permittee must comply with all permit conditions; 2) the permitted activity should not be reduced in order to comply with the permit conditions. Further, this reasoning shall not be used as a defense in an enforcement action, 3) the permit may be revoked, modified, reissued, or reopened for cause, 4) the Title V permit does not reflect any property rights, and 5) the permittee will furnish the District with any requested information to determine compliance with the conditions of the Title V permit.

C-214-0-2: Facility-Wide Requirements

- Conditions 5 and 13 through 16 on the requirements for the proposed permit comply with this rule.

Section 9.9 requires the permit specify that the permittee pay annual permit fees and applicable fees from District Rules 3010, 3030, 3050, 3080, 3090, 3110, and 3120.

C-214-0-2: Facility-Wide Requirements

- Condition 17 on the requirements for the proposed permit complies with this rule.

Section 9.13.1 requires any report or document submitted under a permit requirement or a request for information by the District or EPA contain a certification by a responsible official as to truth, accuracy, and completeness.

C-214-0-2: Facility-Wide Requirements

- Condition 26 on the requirements for the proposed permit complies with this rule.

Section 9.13.2 contains inspection and entry requirements that allows an authorized representative of the District to enter a permittee's premises to inspect equipment, operations, work practices, permits on file, and to sample substances or monitor parameters for the purpose of assuring compliance with the permit requirements.

C-214-0-2: Facility-Wide Requirements

- Conditions 18, 19, 20, and 21 on the requirements for the proposed permit comply with this rule.

Section 9.16 requires that the permittee submit certification of compliance with the terms and standards of Title V permits to the EPA and the District annually (or more frequently as required by the applicable requirement or the District).

C-214-0-2: Facility-Wide Requirements

- Condition 36 on the requirements for the proposed permit complies with this rule.

Section 10.0 requires any application form, report, or compliance certification submitted pursuant to these regulations shall contain certification of truth, accuracy, and completeness by a responsible official.

C-214-0-2: Facility-Wide Requirements

- Condition 26 on the requirements for the proposed permit complies with this rule.

Greenhouse Gas Requirements

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

12. District Rule 4101 – Visible Emissions

The purpose of this rule is to prohibit the emissions of visible air contaminants to the atmosphere. Section 5.0 prohibits the discharge of any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker in shade as that designated as No. 1 on the Ringelmann Chart; or is of such opacity as to obscure an observer's view to a degree equal to or greater than the smoke described in Section 5.1 of Rule 4101.

C-214-0-2: Facility-Wide Requirements

- Condition 22 on the requirements for the proposed permit complies with this rule.

13. District Rule 4201 – Particulate Matter Concentration

The purpose of this rule is to protect the ambient air quality by establishing a particulate matter emission standard. Section 3.1 requires emissions to be at or below 0.1 grains of particulate matter per dry standard cubic foot of exhaust gas.

Woodworking Operations

In 1997, South Coast Air Quality Management District conducted a series of source tests for PM, PM10, and PM2.5 at various large woodworking facilities. At this time, these data are the most representative data available for woodworking operations. A table summarizing the data is as follows.

Woodworking Emissions Factors		
Control	PM10 Emissions (gr/dscf)	Source
Uncontrolled ¹	0.05	South Coast AQMD source test
Cyclone	0.005	South Coast AQMD source test
Portable dust collector with a filter bag rated to collect particles 2.5 microns and larger	0.003	Calculated emissions factor based on South Coast AQMD source test

¹An example of an uncontrolled source where this emission factor would be appropriate is a portable dust collector where the filter bag is rated to collect particles only greater than 10 microns.

The woodworking operations in this facility are equipped with a cyclone dust collector with a fabric after filter (Unit C-214-3) and one cyclone dust collector without a fabric after filter (Unit C-214-15). In either case with the cyclone dust collector alone used in a woodworking application and assuming all PM₁₀ is PM, South Coast AQMD source test shows that the cyclone emission factor is less than 0.1 gr/dscf. Therefore, both woodworking emissions units comply with this rule.

- a. C-214-3-3: Woodworking Operation Including: (2) Radial Arm Saws, (3) Floor Sweeps, and (1) Table Saw All Served by a Sternvent Model 3630 Dust Collector with a 36" Diameter Cyclone and 300 Square Feet of Fabric Filter Area (Located in BLDG 313B, Plant Operation Wood Shop)
 - Condition 4 on the proposed permit complies with this rule.
- b. C-214-15-3: Woodworking Operation Including: (2) Belt Sanders, (1) Planer, (1) Lathe, (1) Panel Saw, (1) Jointer, (1) Router, (1) Table Saw, ADB (1) Radial Arm Saw All Served by a 7,000 CFM Sternvent Model CYH3630-76 Dust Collector with a 36" Diameter Cyclone
 - Condition 4 on the proposed permit complies with this rule.

Diesel-Fired Emergency Internal Combustion Engines

Results from source tests of diesel-fired internal combustion (IC) engines generally indicate emission rates from these units are less than the allowable limit of 0.1 grain/dscf. Of the tests available, most were in the range of 0.042 to 0.061 grain/dscf, with a low of 0.020 grain/dscf, and a high of 0.092 grain/dscf. However, although the above testing is sufficient to assume that IC engines in this project comply with the 0.1 grain/dscf limit, the data is insufficient to prove compliance in all cases. There is an exemption from source testing for "Nonutility distillate-oil-fueled emergency piston-type IC engines." Per the CAPCOA/CARB/EPA IX Title V Periodic Monitoring Recommendations memo, dated July 2001, the District's grain loading limit of 0.1 grain/dscf does not need to be source tested as long as the following conditions are required in the Permit to Operate:

- 1) Engine usage is limited to maintenance, testing, and time of actual unforeseen emergencies.
- 2) Usage for maintenance and testing is not to exceed 200 hours per year.
- 3) Maintain records of all engine usage and maintenance.

- a. C-214-1-3: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)
 - Conditions 4, 8, and 9 on the proposed permit assure compliance with this rule.
- b. C-214-9-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - Conditions 4, 7, and 11 on the proposed permit assure compliance with this rule.
- c. C-214-10-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - Conditions 4, 7, and 11 on the proposed permit assure compliance with this rule.
- d. C-214-11-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 201)
 - Conditions 4, 7, and 11 on the proposed permit assure compliance with this rule.
- e. C-214-12-3: 1,593 bhp Caterpillar Model 3512 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)
 - Conditions 4, 9, and 11 on the proposed permit assure compliance with this rule.
- f. C-214-13-3: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 212)
 - Conditions 4, 9, and 11 on the proposed permit assure compliance with this rule.

Natural Gas-Fired Boiler with #2 Fuel Oil Backup

The following calculations show that the boilers in this facility whether firing on natural gas or fuel oil #2 (as standby) emit less than 0.1 grains of particulate matter per dry standard cubic foot of exhaust gas.

Natural Gas-Fired:

$$\left(\frac{7.6 \text{ lb PM}}{10^6 \text{ ft}^3}\right)\left(\frac{1 \text{ MMBtu}}{8710 \text{ dscf}}\right)\left(\frac{1 \text{ scf}}{950 \text{ Btu}}\right)\left(\frac{7000 \text{ gr}}{1 \text{ lb}}\right) = 0.006 \frac{\text{grains}}{\text{dscf}}$$

where:

$$7.6 \frac{\text{lb} \cdot \text{PM}}{10^6 \cdot \text{ft}^3} = \text{uncontrolled emission factor for natural gas fired boilers (AP42, Table 1.4 - 12)}$$

$$\frac{950 \text{ Btu}}{\text{scf}} = \text{the minimum expected higher heating value of natural gas (AP42, 1.4.1)}$$

$$\frac{8710 \text{ dscf}}{\text{MMBtu}} = \text{F factor, Fd, for natural gas (40CFR §60, App. A, Meth. 19, Table 19 - 1)}$$

$$\frac{7000 \text{ gr}}{1 \text{ lb}} = \text{conversion factor (AP42, Appendix A)}$$

Fuel Oil-Fired:

$$\left(\frac{2 \text{ lb PM}}{10^3 \text{ gal}}\right)\left(\frac{1 \text{ gal}}{140,000 \text{ Btu}}\right)\left(\frac{1 \times 10^6 \text{ Btu}}{9190 \text{ dscf}}\right)\left(\frac{7000 \text{ gr}}{1 \text{ lb}}\right) = 0.01 \frac{\text{grain}}{\text{dscf}}$$

where:

$$\frac{2 \text{ lb}}{10^3 \text{ gal}} = \text{the emission factor for filterable PM, No. 2 fuel oil, (AP - 42, Table 1.3 - 1)}$$

$$\frac{9190 \text{ dscf}}{10^6 \text{ Btu}} = \text{F factor, Fd, for oil (40CFR60, App. A, Meth. 19, Table 19 - 1)}$$

$$\frac{1 \text{ gal}}{140,000 \text{ Btu}} = \text{Heating value of #2 Fuel Oil (AP - 42, 1.3)}$$

- a. C-214-4-7: 43 MMBtu/hr Cleaver Brooks Model #D-60E Natural Gas-Fired Boiler with Fuel Oil #2 as Back-Up Fuel, Low NO_x Burner, and Flue Gas Recirculation System
 - Conditions 4, 14, and 15 on the proposed permit assure compliance with this rule.
- b. C-214-5-7: 27 MMBtu/hr Cleaver Brooks Model D-24E Natural Gas-Fired Boiler with Low NO_x Burner, Flue Gas Recirculation System, and Fuel Oil #2 as Back-Up Fuel
 - Conditions 4, 14, and 15 on the proposed permit assure compliance with this rule.
- c. C-214-32-5: 8.1 MMBtu/hr Clayton Industries Model SLG-204-2-LNG Natural Gas-Fired Boiler with a Low NO_x Burner
 - Conditions 3 and 8 on the proposed permit assure compliance with this rule.

14. District Rule 4305, Boilers, Steam Generators and Process Heaters – Phase 2

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 rated heat input greater than 5 million Btu per hour.

Since emissions limits of District Rule 4306 and all other requirements are equivalent or more stringent than District Rule 4305 requirements, compliance with District Rule 4306 requirements as shown in the following section will satisfy requirements of District Rule 4305.

15. 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 rated heat input greater than 5 million Btu per hour.

§4.2 The requirements of Sections 5.1.1 and 5.1.2 shall not apply to a unit when burning any fuel other than PUC quality natural gas during PUC

quality natural gas curtailment provided all of the following conditions are met:

§4.2.1 Fuels other than PUC quality natural gas are burned no more than 168 cumulative hours in a calendar year plus 48 hours per calendar year for equipment testing, as limited by Permit to Operate.

§4.2.2 NOx emission shall not exceed 150 ppmv or 0.215 lb/MMBtu. Demonstration of compliance with this limit shall be made by either source testing, continuous emission monitoring system (CEMS), an APCO approved Alternate Monitoring System, or an APCO approved portable NOx analyzer.

§5.0 Requirements

§5.1 NOx and CO Emission Limits

§5.1.1 Except for units subject to Sections 5.2, NOx and carbon monoxide (CO) emissions shall not exceed the limits specified in Table 1.

Category	Operated on Gaseous Fuel			Operated on Liquid Fuel	
	NOx Limit		CO Limit (ppmv)	NOx Limit	CO Limit (ppmv)
	Standard option	Enhanced Option			
B. Units with a rated heat input greater than 20.0 MMBtu/hr	9 ppmv or 0.011 lb/MMBtu	6 ppmv or 0.007 lb/MMBtu	400	40 ppmv or 0.052 lb/MMBtu	400

§5.2 states that for each unit that is limited to less than 9 billion Btu per calendar year heat input pursuant to a Permit to Operate, the operator shall comply with the requirement of Section 7.4 and one of the following:

§5.2.1 tune the unit at least twice per calendar year, (from four to eight months apart) by a qualified technician in accordance with the procedure described in Rule 4304 (Equipment Tuning Procedure for Boilers, Steam Generators, and Process Heaters). 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; or

§5.2.2 operate the unit in a manner that maintains exhaust oxygen concentrations at less than or equal to 3.00 percent by volume on a dry basis; or

§5.2.3 operate the unit in compliance with the applicable emission limits of Sections 5.1.1 or 5.1.2.

§5.4 Monitoring Provisions

§5.4.1 The operator of any unit which simultaneously fires gaseous and liquid fuels, and is subject to the requirements of Section 5.1, shall install and maintain an operational non-resettable, totalizing mass or volumetric flow meter in each fuel line to each unit. Volumetric flow measurements shall be periodically compensated for temperature and pressure.

§5.4.2 The operator of any unit subject to the applicable emission limits in Sections 5.1 shall install and maintain an operational APCO approved Continuous Emissions Monitoring System (CEMS) for NO_x, CO, and oxygen, or implement an APCO-approved Alternate Monitoring System. An APCO approved CEMS shall comply with the requirements of 40 Code of Federal Regulations (CFR) Part 51, 40 CFR Parts 60.7 and 60.13 (except subsection h), 40 CFR Part 60 Appendix B (Performance Specifications) and 40 CFR Part 60 Appendix F (Quality Assurance Procedures, and applicable provisions of Rule 1080 (Stack Monitoring)). An APCO approved Alternate Monitoring System shall monitor one or more of the following:

- §5.4.2.1 periodic NO_x and CO exhaust emission concentrations,
- §5.4.2.2 periodic exhaust oxygen concentration,
- §5.4.2.3 flow rate of reducing agent added to exhaust,
- §5.4.2.4 catalyst inlet and exhaust temperature,
- §5.4.2.5 catalyst inlet and exhaust oxygen concentration,
- §5.4.2.6 periodic flue gas recirculation rate,
- §5.4.2.7 other operational characteristics.

§5.4.3 For units subject to the requirements of Section 5.2.1 or 5.2.2, the operator shall monitor, at least on a monthly basis, the operational characteristics recommended by the manufacturer and approved by the APCO.

§5.5 Compliance Determination

§5.5.1 The operator of any unit shall have the option of complying with either the applicable heat input (lb/MMBtu) emission limits or the concentration (ppmv) emission limits specified in Section 5.1. The

emission limits selected to demonstrate compliance shall be specified in the source test proposal pursuant to Rule 1081 (Source Sampling).

§5.5.2 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. Unless otherwise 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.

§5.5.4 For emissions monitoring pursuant to Sections 5.4.2, 5.4.2.1, and 6.3.1 using a portable NO_x analyzer as part of an APCO approved Alternate Emissions Monitoring System, emission readings 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.

§5.5.5 For emissions source testing performed pursuant to Section 6.3.1 for the purpose of determining compliance with an applicable standard or numerical limitation of this rule, the arithmetic average of three (3) 30-consecutive-minute test runs shall apply. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit.

§6.1 Recordkeeping

The records required by Sections 6.1.1 through 6.1.4 shall be maintained for five calendar years and shall be made available to the APCO upon request. Failure to maintain records or information contained in the records that demonstrate noncompliance with the applicable requirements of this rule shall constitute a violation of this rule.

§6.1.1 The operator of any unit operated under the exemption of Section 4.2 shall monitor and record for each unit the cumulative annual hours of operation on each fuel other than natural gas during periods of natural gas curtailment and equipment testing. The NO_x emission concentration (in ppmv or lb/MMBtu) for each unit that is operated during periods of natural gas curtailment shall be recorded. Failure to maintain records required by Section 6.1.1 or information contained in the records that demonstrates noncompliance with the conditions for exemption under Section 4.2 will result in loss of exemption status. On and after the applicable compliance schedule specified in Section 7.0, any unit losing an exemption status shall be brought into full compliance with this rule as specified in Section 7.3.

§6.1.3 The operator of any unit subject to Section 5.2.1 or Section 6.3.1 shall maintain records to verify that the required tune-up and the required monitoring of the operational characteristics of the unit have been performed.

§6.1.4 The operator performing start-up or shutdown of a unit shall keep records of the duration of start-up or shutdown.

§6.2 Test Methods

The following test methods shall be used unless otherwise approved by the APCO and EPA.

§6.2.1 Fuel hhv shall be certified by third party fuel supplier or determined by:

§6.2.1.1 ASTM D 240-87 or D 2382-88 for liquid hydrocarbon fuels;

§6.2.1.2 ASTM D 1826-88 or D 1945-81 in conjunction with ASTM D 3588-89 for gaseous fuels.

§6.2.2 Oxides of nitrogen (ppmv) - EPA Method 7E, or ARB Method 100.

§6.2.3 Carbon monoxide (ppmv) - EPA Method 10, or ARB Method 100.

§6.2.4 Stack gas oxygen - EPA Method 3 or 3A, or ARB Method 100.

§6.2.5 NO_x Emission Rate (Heat Input Basis) - EPA Method 19.

§6.2.6 Stack gas velocities - EPA Method 2.

§6.2.7 Stack gas moisture content - EPA Method 4.

§6.3 Compliance Testing

§6.3.1 Each unit subject to the requirements in Sections 5.1 or 5.2.3 shall be source tested to determine compliance with the applicable emission limits at least once every 12 months, (no more than 30 days before or after the required annual source test date). Units that demonstrate compliance on two consecutive 12-month source tests may defer the following 12-month source test for up to 36 months (no more than 30 days before or after the required 36-month source test date).

§7.4 states that any unit that becomes subject to the emission limits of this rule as a result of exceeding the applicable annual heat input limit specified in either Section 5.1.1 Table 1 Category H or Section 5.2, shall be in compliance with the applicable standard option emission limits for Category A and B units in Section 5.1.1 on and after the date the annual heat input limit is exceeded.

- a. C-214-4-7: 43 MMBtu/hr Cleaver Brooks Model #D-60E Natural Gas-Fired Boiler with Fuel Oil #2 as Back-Up Fuel, Low NO_x Burner, and Flue Gas Recirculation System
 - Conditions 7 through 22, 24 through 27, and 29 through 33 on the proposed permit assure compliance with the above applicable requirements of this rule.
- b. C-214-5-7: 27 MMBtu/hr Cleaver Brooks Model D-24E Natural Gas-Fired Boiler with Low NO_x Burner, Flue Gas Recirculation System, and Fuel Oil #2 as Back-Up Fuel
 - Conditions 7 through 22, 24 through 27, and 29 through 33 on the proposed permit assure compliance with the above applicable requirements of this rule.
- c. C-214-32-5: 8.1 MMBtu/hr Clayton Industries Model SLG-204-2-LNG Natural Gas-Fired Boiler with a Low NO_x Burner
 - Conditions 6, 9, 10, 12, and 13 on the proposed permit assure compliance with the above applicable requirements of this rule.

16. 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 the 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.

§5.0 Requirements

§5.1 An operator of a unit(s) subject to this rule shall comply with all applicable requirements of the rule and one of the following, on a unit-by-unit basis:

§5.1.1 Operate the unit to comply with the emission limits specified in Sections 5.2 and 5.4; or

§5.1.2 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

§5.1.3 Comply with the applicable Low-use Unit requirements of Section 5.5.

Per Section 6.4.1, the operator submitted to the District an Emissions Control Plan containing the compliance schedule required by Section 7.0 of the rule. In the compliance plan, the facility chooses to comply with Section 5.1.2 of this rule which is to 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.

§5.3.1 On and after January 1, 2010, an operator, with units that will comply under Section 5.1.2, shall pay a total annual fee to the District based on the total NO_x emissions from those units.

§5.4 Particulate Matter Control Requirements

§5.4.1 To limit particulate matter emissions, an operator shall comply with one of the following requirements:

§5.4.1.1 On and after the applicable NO_x Compliance Deadline specified in Section 5.2 Table 1, operators shall fire units exclusively on PUC-quality natural gas, commercial propane, butane, or liquefied petroleum gas, or a combination of such gases;

§5.4.1.2 On and after the applicable NO_x Compliance Deadline specified in Section 5.2 Table 1, operators shall limit fuel sulfur content to no more than five (5) grains of total sulfur per one hundred (100) standard cubic feet; or

§5.4.2 Liquid fuel shall be used only during PUC quality natural gas curtailment periods, provided the requirements of Sections 4.2 and 6.1.5 are met and the fuel contains no more than 15 ppm sulfur, as determined by the test method specified in Section 6.2.

The facility will comply with the requirements of Section 5.4 by firing on PUC regulated natural gas unless there is a natural gas curtailment, in which, the facility will fire on fuel oil #2.

- a. C-214-4-7: 43 MMBtu/hr Cleaver Brooks Model #D-60E Natural Gas-Fired Boiler with Fuel Oil #2 as Back-Up Fuel, Low NO_x Burner, and Flue Gas Recirculation System
 - Conditions 5, 6, and 34 on the proposed permit assure compliance with the above applicable requirements of this rule.

- b. C-214-5-7: 27 MMBtu/hr Cleaver Brooks Model D-24E Natural Gas-Fired Boiler with Low NO_x Burner, Flue Gas Recirculation System, and Fuel Oil #2 as Back-Up Fuel
 - Conditions 5, 6, and 34 on the proposed permit assure compliance with the above applicable requirements of this rule.
- c. C-214-32-5: 8.1 MMBtu/hr Clayton Industries Model SLG-204-2-LNG Natural Gas-Fired Boiler with a Low NO_x Burner
 - Conditions 1 and 4 on the proposed permit assure compliance with the above applicable requirements of this rule.

17. District Rule 4601 – Architectural Coatings

This rule limits the emissions of VOCs from architectural coatings. It requires limiting the application of any architectural coating to no more than what is listed in the Table of Standards (Section 5.0). This rule further specifies labeling requirements, coatings thinning recommendations and storage requirements.

C-214-0-2: Facility-Wide Requirements

- Conditions 23, 24, and 25 on the requirements for the proposed permit comply with this rule.

18. District Rule 4603 – Surface Coating of Metal Parts and Products, Plastic Parts and Products, and Pleasure Crafts

The purpose of this rule is to limit the emissions of volatile organic compounds (VOC) from the coating of metal parts and products, large appliances parts or products, metal furniture, plastic parts and products, automotive/transportation and business machine plastic parts and products, and pleasure crafts, and from the organic solvent cleaning and storage and disposal of solvents and waste solvent materials associated with such coating. This rule also specifies the administrative and recordkeeping requirements and the test methods for determining the VOC content, the VOC emissions, the VOC capture efficiency, the acid content, the metallic or iridescent quality of coatings, and the VOC emissions from spray gun cleaning systems.

§5.1 General Coating Limits for Metal Parts and Products, Except for Large Appliance Parts or Products, and Metal Furniture Subject to Section 5.4.1. Except as otherwise provided by this rule, no operator shall apply to any metal part or product any coating with a VOC content in excess of the

following limits, expressed as grams of VOC per liter (or pounds per gallon) of coating, less water, and exempt compounds, as applied.

- Baked Coating : 275 grams/liter (2.3 pounds/gallon)
- Air-Dried Coating: 340 grams/liter (2.8 pounds/gallon)
- VOC Content Limit for Dip coating of steel joists (SIC 3441), air-dried.
- 340 grams of VOC/liter (2.8 pounds of VOC/gallon) for coatings with a viscosity, as applied, of more than 45.6 centistokes at 78°F or an average dry-film thickness of greater than 2.0 mils;
- 400 grams of VOC/liter (3.32 pounds of VOC/gallon) for coatings with a viscosity, as applied, of less than or equal to 45.6 centistokes at 78°F and an average dry-film thickness of less than or equal to 2.0 mils.

§5.2 Specialty Coating for Metal Parts and Products, Except for Large Appliance Parts or Products, and Metal Furniture Subject to Section 5.4.1. An operator subject to Section 5.2 shall not apply to any metal part or product any specialty coating with VOC content in excess of the limits in Table 1.

Table 1 – VOC Content Limits for Specialty Coatings. Limits are expressed as grams of VOC /liter (or pounds of VOC/gallon) of coating, less water and less exempt compounds, as applied.		
Coating Type	VOC Limit	
	Baked	Air-Dried
Camouflage	360 (3.0)	420 (3.5)
Extreme Performance	360 (3.0)	420 (3.5)
Heat Resistant	360 (3.0)	420 (3.5)
Extreme High Gloss	360 (3.0)	420 (3.5)
High Performance Architectural	420 (3.5)	420 (3.5)
High Temperature	420 (3.5)	420 (3.5)
Metallic Coating	360 (3.0)	420 (3.5)
Pretreatment Coating	420 (3.5)	420 (3.5)
Touch Up and Repair Coating	360 (3.0)	420 (3.5)
Silicone Release	420 (3.5)	420 (3.5)
Solar Absorbent	360 (3.0)	420 (3.5)
Solid Film Lubricant	880 (7.3)	880 (7.3)

§5.9 Work Practice Standards

§5.9.2 An operator of metal parts and products coating operations, plastic parts and products coating operations, automotive/transportation and business machine plastic parts and products coating operations, and pleasure craft coating operations shall minimize VOC emissions by complying with work practice standards specified in Sections 5.9.3 through 5.9.6.

- Store all VOC-containing coatings, thinners, cleaning materials, and waste materials in closed non-absorbent and non-leaking containers. The containers shall remain closed at all times, except when specifically in use.
- Close mixing vessels that contain VOC coatings and other materials, except when specifically in use.
- Minimize spills of any VOC-containing materials and clean up spills immediately.
- Convey VOC-containing materials in closed containers or pipes.

§5.10 Organic Solvent Cleaning Requirements

§5.10.1 An operator shall not use organic solvents for cleaning operations that exceed the VOC content limits specified in Table 6.

§5.10.2 An operator shall perform all solvent cleaning operations with cleaning material having VOC content of 25 g/L or less, unless such cleaning operations are performed within the control of an APCO-approved VOC emission control system that meets the requirements of Section 5.8.

Table 6 – VOC Content Limits for Organic Solvents Used in Cleaning Operations. Limits are expressed as grams of VOC/liter (or pounds of VOC/gallon) of material.	
Type of Solvent Cleaning Operation	VOC Content Limit
Product Cleaning During Manufacturing Process or Surface Preparation for Coating Application	25 (0.21)
Repair and Maintenance Cleaning	25 (0.21)
Cleaning of Coating Application Equipment	25 (0.21)

§5.11 Solvent Storage and Disposal Requirements

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. The containers shall remain closed at all times except when

depositing or removing the contents of the containers or when the container is empty.

§5.12 Application Equipment Requirements: An operator shall not use or operate any coating application equipment on any metal parts and products, large appliances parts and products, metal furniture, plastic parts and products, automotive/transportation and business machine plastic parts and products, and pleasure crafts subject to the provisions of this rule unless one of the following methods is used:

- Electrostatic application;
- Electrodeposition;
- High-Volume, Low-Pressure (HVLP) spray,
- High-Volume, Low-Pressure (HVLP) spray equipment shall be operated in accordance with the manufacturer's recommendations.
- For HVLP spray guns manufactured prior to January 1, 1996, the end user shall demonstrate that the gun meets HVLP spray equipment standards.
- Flow coating;
- Roll coating;
- Dip coating;
- Brush coating; or
- Continuous coating;
- Any other coating application method which is demonstrated to the APCO to be capable of achieving at least 65 percent transfer efficiency.

§6.1 Labeling Requirements

§6.1.1 Coating VOC Content

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. VOC content shall be displayed as grams of VOC per liter of coating (less water and exempt compounds).

§6.1.2 Thinning Recommendations

Each container or accompanying data sheet of any coating subject to this rule shall display a statement of the manufacturer's recommendation regarding thinning of the coating. This requirement shall not apply to the thinning of coatings with water.

§6.2.1 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, as applicable:

- 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.

§6.2.2 Maintain daily records which include the following information:

- volume coating/solvent mix ratio,
 - VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating,
 - volume of each coating used (gallons), and
 - quantity of cleanup solvent used (gallons).
- a. C-214-16-6: Wood and Metal Parts Coating Operation Using Brushes and Rollers (BLDG 309C)
- Conditions 7, 8, 9, 13 through 19, and 23 on the requirements for the proposed permit assure compliance with the applicable requirements of this rule.
- b. C-214-45-3: Metal Parts and Products Coating Operation with HVLP Spray Gun, Paint Spray Booth with Exhaust Filters, Spray Gun Cleaner, and 1.75 MMBtu/hr Drying Oven
- Conditions 8 through 11 and 13 through 20 on the requirements for the proposed permit assure compliance with the applicable requirements of this rule.

19. District Rule 4606 – Wood Products and Flat Wood Paneling Products Coating Operations

The purpose of this rule is to limit the emissions of volatile organic compounds (VOCs) from wood products coating operations, and from the organic solvent cleaning, and the storage and disposal of solvents and waste solvent materials associated with such coating operations. The rule also provides the administrative requirements for recording and measuring emissions.

§5.1 Wood Products Coating Operation

An operator shall not apply any coating to a wood product, as defined in Section 3.0, which has a VOC content, as applied, that exceeds the applicable limit specified in Tables 1 or 2:

Table 1 VOC Content Limits for Wood Product Coating Operation		
Coating Category	grams of VOC/liter of coating, excluding water and exempt compounds, as applied	pounds of VOC/gallon of coating, excluding water and exempt compounds, as applied
Clear Topcoat	275	2.3
Filler	275	2.3
High-Solids Stain	240	2.0
Ink	500	4.2
Mold-Seal Coating	750	6.3
Multi-Colored Coating	275	2.3
Pigmented Coating	275	2.3
Sanding Sealer	275	2.3

Table 2 VOC Content Limits for Wood Product Coating Operation		
Coating Category	grams of VOC/liter of material, as applied	pounds of VOC/gallon of material, as applied
Low-Solids Stain	120	1.0
Stripper	350	2.9

§5.7 Organic Solvent Cleaning Requirements

§5.7.1 An operator shall not use organic solvents for cleaning operations that exceed the content limits specified in Table 4 in accordance with the corresponding effective date.

Table 4 – VOC Limits for Organic Solvents Used in Cleaning Operations	
Type of Solvent Cleaning Operation	VOC Content Limit Grams of VOC/liter of material (lb/gal)
Product Cleaning During Manufacturing Process or Surface Preparation for Coating Application	25 (0.21)
Repair and Maintenance Cleaning	25 (0.21)
Cleaning of Coating Application Equipment	25 (0.21)

§5.7.2 An operator shall not use a strippable booth coating with a VOC content in excess of 450 g/l (3.8 lb/gal) as applied, excluding water and exempt compounds.

§5.8 Organic Solvent Disposal and Storage Requirements

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. The containers shall remain closed at all times except when depositing or removing the contents of the containers or when the container is empty.

§6.2 Recordkeeping Requirements for Coatings

§6.2.1 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.
- VOC content of adhesives, as applied.

§6.2.2 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.
- type and amount of solvent used for cleanup and surface preparation.

C-214-16-6: Wood and Metal Parts Coating Operation Using Brushes and Rollers (BLDG 309C)

- Conditions 10 through 16, 20, 21, 22, and 23 on the requirements for the proposed permit assure compliance with the applicable requirements of this rule.

20. District Rule 4621 – Gasoline Transfer into Stationary Storage Containers, Delivery Vessels, and Bulk Plants

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

§5.0. Requirements

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

§5.2 Gasoline Storage and Loading

§5.2.1 In addition to the requirements of Section 5.1 no person shall transfer or permit the transfer of gasoline from any delivery vessel into any stationary storage container subject to requirements of this rule unless:

§5.2.1.1 Such container, except those used for aviation gasoline, is equipped with an ARB certified permanent submerged fill pipe and utilizes an ARB certified Phase I vapor recovery system that is maintained and operated according to manufacturer specifications and the applicable ARB Executive Order

§5.7 Delivery Vessels

§5.7.1 All delivery vessels shall have an ARB certified vapor recovery system for cargo containers.

C-214-46-1: Gasoline Dispensing Operation with One 12,000 Gallon Split (8,000 Gallon Gasoline/4,000 Gallon Diesel) Aboveground Storage Tank Served by Two-Point Phase I Vapor Recovery System, and 1 Fueling Point with 1 Gasoline Dispensing Nozzle Served by Balance Phase II Vapor Recovery System (G-70-162)

- Conditions 4 and 8 on the requirements for the proposed permit assure compliance with the applicable requirements of this rule.

21. District Rule 4622 – Gasoline Transfer into Motor Vehicle Fuel Tanks

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

§5.0 Requirements

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

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

§

5.1.2 All ARB certified Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks

C-214-46-1: Gasoline Dispensing Operation with One 12,000 Gallon Split (8,000 Gallon Gasoline/4,000 Gallon Diesel) Aboveground Storage Tank Served by Two-Point Phase I Vapor Recovery System, and 1 Fueling Point with 1 Gasoline Dispensing Nozzle Served by Balance Phase II Vapor Recovery System (G-70-162)

- Conditions 4, 7, and 9 through 17 on the requirements for the proposed permit assure compliance with the applicable requirements of this rule.

22. District Rule 4701 – Internal Combustion Engines–Phase 1

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. Except as provided in Section 4.0, the provisions of this rule apply to any internal combustion engine, rated greater than 50 bhp that requires a Permit to Operate (PTO).

There are 10 natural gas-fired IC engine involved with this project. Pursuant to Section 2.0 of District Rule 4701, these engines are subject to District Rule 4701–*Internal Combustion Engines–Phase 1*. In addition, these engine are also subject to District Rule 4702–*Internal Combustion Engines–Phase 2*.

Since the emissions limits of District Rule 4702 and all other requirements are equivalent or more stringent than District Rule 4701 requirements, compliance with 4702 rule requirements will satisfy requirements of District Rule 4701 and no further discussion is required.

23. District Rule 4702 – Internal Combustion Engines–Phase 2

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines. This rule applies to any internal combustion (IC) engine with a rated brake horsepower greater than 50 horsepower.

§4.2 Except for the requirements of Sections 5.9 and 6.2.3, the requirements of this rule shall not apply to an emergency standby engine or a low-use engine, provided that the engine is operated with an operating nonresettable elapsed time meter.

§4.2.1 In lieu of operating a nonresettable elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time, provided that the alternative is approved by the APCO and EPA and is allowed by the Permit-to-Operate or Permit-Exempt Equipment Registration. The operator must demonstrate that the alternative device, method, or technique is equivalent to using a nonresettable elapsed time meter.

§4.2.2 The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions.

§5.9 Monitoring Requirements: All Other Engines

§5.9.1 The operator of any of the following engines shall comply with the requirements specified in Section 5.9.2 through Section 5.9.5 below:

§5.9.2 Properly operate and maintain each engine as recommended by the engine manufacturer or emission control system supplier.

§5.9.3 Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier.

§5.9.4 Install and operate a nonresettable elapsed time meter.

§5.9.4.1 In lieu of installing a nonresettable elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved by the APCO and EPA and is allowed by a Permit-to- Operate or Permit-Exempt Equipment Registration condition.

§5.9.4.2 The operator shall properly maintain and operate the nonresettable elapsed time meter or alternative device in accordance with the manufacturer's instructions.

§6.2.3 An operator claiming an exemption under Section 4.2 or Section 4.3 shall maintain annual operating records. This information shall be retained for at least five years, shall be readily available, and provided to the APCO upon request. The records shall include, but are not limited to, the following:

§6.2.3.1 Total hours of operation,

§6.2.3.2 The type of fuel used,

§6.2.3.3 The purpose for operating the engine,

§6.2.3.4 For emergency standby engines, all hours of non-emergency and emergency operation shall be reported, and

§6.2.3.5 Other support documentation necessary to demonstrate claim to the exemption.

- a. C-214-1-3: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)
 - Conditions 1; 5, 6, 8, 9, 11, and 12 on the proposed permit assure compliance with the applicable requirements of this rule.
- b. C-214-9-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - Conditions 3 and 7 through 14 on the proposed permit assure compliance with the applicable requirements of this rule.
- c. C-214-10-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - Conditions 3 and 7 through 14 on the proposed permit assure compliance with the applicable requirements of this rule.
- d. C-214-11-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 201)
 - Conditions 3 and 7 through 14 on the proposed permit assure compliance with the applicable requirements of this rule.

- e. C-214-12-3: 1,593 bhp Caterpillar Model 3512 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)
 - Conditions 3, 6, 7, and 9 through 14 on the proposed permit assure compliance with the applicable requirements of this rule.
- f. C-214-13-3: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 212)
 - Conditions 3, 6, 7, and 9 through 14 on the proposed permit assure compliance with the applicable requirements of this rule.

24. District Rule 8011, 8021, 8031, 8041, 8051, 8061, and 8071 – SJVUAPCD Regulation VIII - Fugitive Dust (PM10)

These regulations contain requirements for the control of fugitive dust. These requirements apply to various sources, including construction, demolition, excavation, extraction, mining activities, outdoor storage piles, paved and unpaved roads.

C-214-0-2: Facility-Wide Requirements

- Conditions 29 through 34 on the requirements for the proposed permit comply with these rules.

25. 40 CFR 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

This provisions of this subpart are applicable to owners, and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commence construction after July 11, 2005 where the stationary CI ICE are manufactured after April 1, 2006 and are not fire pump engines.

- a. C-214-1-3: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)
 - This emissions unit is not subject to this subpart since it was installed before July 11, 2005 and manufactured prior to April 1, 2006.

- b. C-214-9-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - This emissions unit is not subject to this subpart since it was installed before July 11, 2005 and manufactured prior to April 1, 2006.
- c. C-214-10-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - This emissions unit is not subject to this subpart since it was installed before July 11, 2005 and manufactured prior to April 1, 2006.
- d. C-214-11-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 201)
 - This emissions unit is not subject to this subpart since it was installed before July 11, 2005 and manufactured prior to April 1, 2006.
- e. C-214-12-3: 1,593 bhp Caterpillar Model 3512 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)
 - This emissions unit is not subject to this subpart since it was installed before July 11, 2005 and manufactured prior to April 1, 2006.
- f. C-214-13-3: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 212)
 - This emissions unit is not subject to this subpart since it was installed before July 11, 2005 and manufactured prior to April 1, 2006.

26. 40 CFR 61, Subpart M – National Emission Standard for Asbestos

There are applicable requirements from the National Emissions Standards for Hazardous Air Pollutants that apply to all sources in general. These

requirements pertain to asbestos removal and disposal from renovated or demolished structures.

C-214-0-2: Facility-Wide Requirements

- Condition 35 on the requirements for the proposed permit complies with this rule.

27. 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

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

§63.6585 states an owner or operator is subject to this subpart if it owns or operates a stationary RICE at a major or area source of HAP emissions.

§63.6585(b) A major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year.

§63.6585(c) An area source of HAP emissions is a source that is not a major source.

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

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

- Permit units C-214-1, -9, -10, -11, -12, and -13 are existing stationary RICE since all commenced construction before June 12, 2006.

§63.6595(a)(1) An existing stationary CI RICE located at an area source of HAP emissions must comply with the applicable emission limitations and operating limitations no later than May 3, 2013.

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

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

As stated in §§63.6603 and 63.6640, you must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

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

§63.6625(f) If you own or operate an existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, you must install a non-resettable hour meter if one is not already installed.

§63.6640(a) You must demonstrate continuous compliance with each emission limitation and operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to you according to methods specified in Table 6 to this subpart.

Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance With Emission Limitations, Operating Limitations, Work Practices, and Management Practices

As stated in §63.6640, you must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

For each	Complying with the requirement to	You must demonstrate continuous compliance by
9. Existing emergency and black start stationary RICE located at an area source of HAP	a. Work or Management practices	i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

§63.6640(f)(ii) You may operate your emergency stationary RICE for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.

§63.6655(e) You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE.

§63.6655(f) If you own or operate any of the stationary RICE in paragraphs (f)(1) or (2) of this section, you must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.

- a. C-214-1-3: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)
 - Conditions 5, 6, 8, and 12 through 18 on the proposed permit assure compliance with the applicable requirements of this rule.
- b. C-214-9-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - Conditions 7, 8, 9, 11, and 15 through 20 on the proposed permit assure compliance with the applicable requirements of this rule.
- c. C-214-10-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)
 - Conditions 7, 8, 9, 11, and 15 through 20 on the proposed permit assure compliance with the applicable requirements of this rule.
- d. C-214-11-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 201)
 - Conditions 7, 8, 9, 11, and 15 through 20 on the proposed permit assure compliance with the applicable requirements of this rule.
- e. C-214-12-3: 1,593 bhp Caterpillar Model 3512 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)
 - Conditions 6, 7, 9, 11, and 15 through 20 on the proposed permit assure compliance with the applicable requirements of this rule.
- f. C-214-13-3: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 212)
 - Conditions 6, 7, 9, 11, and 15 through 20 on the proposed permit assure compliance with the applicable requirements of this rule.

28. 40 CFR Part 64 – Compliance Assurance Monitoring

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

- 1) the unit must have an emission limit for the pollutant;
 - 2) the unit must have add-on controls for the pollutant; these are devices such as flue gas recirculation (FGR), baghouses, and catalytic oxidizers; and
 - 3) the unit must have a pre-control potential to emit of greater than the major source thresholds.
- a. C-214-1-3: 188 bhp Detroit Diesel Model DDFPO4AT-7008 Diesel-Fired Emergency IC Engine Powering a Firewater Pump (Located in Building 213)

This permit unit has emissions limits for SO_x and PM but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for SO_x and PM.

- b. C-214-3-3: Woodworking Operation Including: (2) Radial Arm Saws, (3) Floor Sweeps, and (1) Table Saw All Served by a Sternvent Model 3630 Dust Collector with a 36" Diameter Cyclone and 300 Square Feet of Fabric Filter Area (Located in BLDG 313B, Plant Operation Wood Shop)

The emissions unit has emissions limits for PM₁₀. The unit may be subject to CAM for PM₁₀ since it has an add-on control in the form of a dust collector. However, the pre-control PM₁₀ potential to emit is less than the major source threshold of 140,000 lb-PM₁₀/year as shown below. Therefore, this unit is not subject to CAM for PM₁₀.

Using the PM₁₀ uncontrolled woodworking emissions factor of 0.05 gr/dscf (see source of emission factor under District Rule 4201 discussion in Compliance Section IX above) and 8,000 cfm airflow of a Sternvent Model 3630 (Manufacturer's data), the following calculations determines the annual uncontrolled PM₁₀ emissions.

$$\text{Uncontrolled PM}_{10} = (0.05 \text{ gr/dscf} \times 8,000 \text{ dscf} \times 525,600 \text{ min/yr}) \div 7000 \text{ gr/lb} = 30,034 \text{ lb-PM}_{10}/\text{year} < 140,000 \text{ lb-PM}_{10}/\text{yr}$$

- c. C-214-4-7: 43 MMBtu/hr Cleaver Brooks Model #D-60E Natural Gas-Fired Boiler with Fuel Oil #2 as Back-Up Fuel, Low NO_x Burner, and Flue Gas Recirculation System

This emissions unit has emissions limits for SO_x, PM₁₀, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this emissions unit is not subject to CAM for SO_x, PM₁₀, CO, and VOC.

This emissions unit may be subject to CAM for NO_x since there is a NO_x limit, and it has add-on controls in the form of FGR. However, the following calculation shows the pre-control NO_x potential to emit is less than the major source threshold of 20,000 pounds NO_x/year as shown below. Therefore, this unit is not subject to CAM.

Natural Gas-Fired:

The natural gas controlled-low NO_x emission factor is 50 lb/MMscf or 0.049 lb/MMBtu (AP-42, 1.4-5, July 1998). The maximum rating for this unit is 43 MMBtu/hr.

$$0.049 \text{ lb-NO}_x/\text{MMBtu} \times 43 \text{ MMBtu/hr} \times 8760 \text{ hr/yr} = \mathbf{18,457 \text{ lbs-NO}_x/\text{year} < 20,000 \text{ lbs-NO}_x/\text{year}}$$

Fuel Oil-Fired:

The distillate oil uncontrolled NO_x emission factor is 20 lb/10³ gal (AP-42, Table 13-1, 7/98). Distillate oil heating value (HV) of 140 MMBtu/10³ gal. The unit is limited to firing fuel oil during natural gas curtailment and test for no more than 48 cumulative hours in a calendar year.

$$43 \text{ MMBtu/hr} \times (20 \text{ lb}/10^3 \text{ gal}/140 \text{ MMBtu}/10^3 \text{ gal}) \times 48 \text{ hr/yr} = \mathbf{295 \text{ lb-NO}_x/\text{yr} < 20,000 \text{ lbs-NO}_x/\text{year}}$$

- d. C-214-5-7: 27 MMBtu/hr Cleaver Brooks Model D-24E Natural Gas-Fired Boiler with Low NO_x Burner, Flue Gas Recirculation System, and Fuel Oil #2 as Back-Up Fuel

This emissions unit has emissions limits for SO_x, PM₁₀, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this emissions unit is not subject to CAM for SO_x, PM₁₀, CO, and VOC.

This emissions unit may be subject to CAM for NO_x since there is a NO_x limit, and it has add-on controls in the form of FGR. However, the

following calculation shows the pre-control NO_x potential to emit is less than the major source threshold of 20,000 pounds NO_x/year as shown below. Therefore, this unit is not subject to CAM.

Natural Gas-Fired:

The natural gas controlled-low NO_x emission factor is 50 lb/MMscf or 0.049 lb/MMBtu (AP-42, 1.4-5, July 1998). The maximum rating for this unit is 43 MMBtu/hr.

$0.049 \text{ lb-NO}_x/\text{MMBtu} \times 27 \text{ MMBtu/hr} \times 8760 \text{ hr/yr} = \mathbf{11,589 \text{ lbs-NO}_x/\text{year} < 20,000 \text{ lbs-NO}_x/\text{year}}$

Fuel Oil-Fired:

The distillate oil uncontrolled NO_x emission factor is 20 lb/10³ gal (AP-42, Table 13-1, 7/98). Distillate oil heating value (HV) of 140 MMBtu/10³ gal. The unit is limited to firing fuel oil during natural gas curtailment and test for no more than 48 cumulative hours in a calendar year.

$27 \text{ MMBtu/hr} \times (20 \text{ lb}/10^3 \text{ gal}/140 \text{ MMBtu}/10^3 \text{ gal}) \times 48 \text{ hr/yr} = \mathbf{185 \text{ lb-NO}_x/\text{yr} < 20,000 \text{ lbs-NO}_x/\text{year}}$

- e. C-214-9-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO_x, SO_x, PM₁₀, CO, and VOC.

- f. C-214-10-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 210)

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO_x, SO_x, PM₁₀, CO, and VOC.

- g. C-214-11-3: 1,490 bhp Cummins Model KTA-50-GI Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 201)

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO_x, SO_x, PM₁₀, CO, and VOC.

- h. C-214-12-3: 1,593 bhp Caterpillar Model 3512 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located at Hospital)

This permit unit has emissions limits for SO_x and PM but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for SO_x and PM.

- i. C-214-13-3: 390 bhp Cummins Model NT855G3 Diesel-Fired Emergency Standby IC Engine Powering an Electrical Generator (Located in BLDG 212)

This permit unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO_x, SO_x, PM₁₀, CO, and VOC.

- j. C-214-15-3: Woodworking Operation Including: (2) Belt Sanders, (1) Planer, (1) Lathe, (1) Panel Saw, (1) Jointer, (1) Router, (1) Table Saw, ADB (1) Radial Arm Saw All Served by a 7,000 CFM Sternvent Model CYH3630-76 Dust Collector with a 36" Diameter Cyclone

The emissions unit has emissions limits for PM₁₀. The unit may be subject to CAM for PM₁₀ since it has an add-on control in the form of a dust collector. However, the pre-control PM₁₀ potential to emit is less than the major source threshold of 140,000 lb-PM₁₀/year as shown below. Therefore, this unit is not subject to CAM for PM₁₀.

Using the PM₁₀ uncontrolled woodworking emissions factor of 0.05 gr/dscf (see source of emission factor under District Rule 4201 discussion in Compliance Section IX above) and 7,000 cfm airflow of a Sternvent Model CYH 3630 (Equipment Description), the following calculations determines the annual uncontrolled PM₁₀ emissions.

$$\text{Uncontrolled PM}_{10} = (0.05 \text{ gr/dscf} \times 7,000 \text{ dscf} \times 525,600 \text{ min/yr}) \div 7000 \text{ gr/lb} = \mathbf{26,280 \text{ lb-PM}_{10}/\text{year} < 140,000 \text{ lb-PM}_{10}/\text{yr}}$$

- k. C-214-16-6: Wood and Metal Parts Coating Operation Using Brushes and Rollers (BLDG 309C)

The emissions unit has emissions limits for VOC but it does not have an add-on control for VOC. Therefore, the unit is not subject to CAM for VOC.

- l. C-214-32-5: 8.1 MMBtu/hr Clayton Industries Model SLG-204-2-LNG Natural Gas-Fired Boiler with a Low NO_x Burner

This emissions unit has emissions limits for NO_x, SO_x, PM₁₀, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this emissions unit is not subject to CAM for NO_x, SO_x, PM₁₀, CO, and VOC.

Low-NO_x burners are not add-on controls but are classified as inherent process equipment defined as equipment that is necessary for the proper or safe functioning of the process.

- m. C-214-45-3: 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

The emissions unit has emissions limits for VOC but it does not have an add-on control for VOC. Therefore, the unit is not subject to CAM for VOC.

- n. C-214-46-1: Gasoline Dispensing Operation with One 12,000 Gallon Split (8,000 Gallon Gasoline/4,000 Gallon Diesel) Aboveground Storage Tank Served by Two-Point Phase I Vapor Recovery System, and 1 Fueling Point with 1 Gasoline Dispensing Nozzle Served by Balance Phase II Vapor Recovery System (G-70-162)

The emissions unit does not have an emissions limit for VOC. Therefore, the unit is not subject to CAM for VOC.

29. 40 CFR Part 82, Subpart B and F – Stratospheric Ozone

There are applicable requirements from Title VI of the CAA (Stratospheric Ozone) that apply to all sources in general. These requirements pertain to air conditioners, chillers, and refrigerators located at a Title V source and to disposal of air conditioners or maintenance/recharging/disposal of motor vehicle air conditioners (MVAC).

C-214-0-2: Facility-Wide Requirements

- Conditions 27 and 28 on the requirements for the proposed permit comply with this rule.

X. 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 requested to utilize any model general permit templates.

B. Requirements not Addressed by Model General Permit Templates

The applicant has not requested permit shield for any requirements not addressed by model general permit templates.

XI. PERMIT CONDITIONS

See draft operating permit beginning on the following page.

San Joaquin Valley Air Pollution Control District

FACILITY: C-214-0-2

EXPIRATION DATE: 08/31/2017

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1 and Kings County Rule 111] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0 and Kings County Rule 111] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
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-214-0-2; Aug 27 2012 1:42PM - SIONGCOJ

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 Rule 8021 and 8011] 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 Rule 8031 and 8011] 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 Rule 8041 and 8011] 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 Rule 8051 and 8011] 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 Rule 8061 and Rule 8011] 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 Rule 8071 and Rule 8011] 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 month, day, year, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit
40. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-1-3

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] Federally Enforceable Through Title V Permit
2. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rules 2201, 40 CFR 63.6640(a), and 4702] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. For units at unstaffed sites or operated remotely, records may be maintained and retained at a District-approved off-site location. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [2520, 9.3.2 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit

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

12. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, and the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 40 CFR 63.6655(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
14. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-3-3

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

WOODWORKING OPERATION INCLUDING: (2) RADIAL ARM SAWS, (3) FLOOR SWEEPS, AND (1) TABLE SAW ALL SERVED BY A STERNVENT MODEL 3630 DUST COLLECTOR WITH A 36" DIAMETER CYCLONE AND 300 SQUARE FEET OF FABRIC FILTER AREA (LOCATED IN BLDG 313B, PLANT OPERATIONS WOOD SHOP)

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. 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
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Visible emissions from the source operation shall be evaluated using EPA method 22 once per calendar year. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520] Federally Enforceable Through Title V Permit
6. Annual records of visible emissions monitoring results shall be maintained and retained on the premises for a period of at least 5 years and made available for District inspection upon request. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-4-7

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214, C-956, and C-4352 shall not exceed 25 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. The unit shall only be fired on PUC-regulated natural gas as the primary fuel and fuel oil #2 as the back-up fuel. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. Sulfur content of fuel oil #2 shall not exceed 0.0015% by weight. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
7. The unit shall only be fired on fuel oil #2 as a back-up fuel during natural gas curtailment or equipment testing, and for no more than 48 cumulative hours in a calendar year. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
8. If the unit is fired on fuel oil #2 as a back-up fuel for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NOx at least once during that year using an APCO approved portable NOx analyzer. Monitoring for back-up fuel NOx emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on back-up fuel solely to perform monitoring. [District Rule 4306] Federally Enforceable Through Title V Permit
9. Back-up fuel NOx emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4306] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of: (1) the date and time of back-up fuel NOx measurements, (2) the measured back-up fuel NOx concentration (in ppmv or lb/MMBtu) corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4306] Federally Enforceable Through Title V Permit

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

11. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
12. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel oil #2 combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
13. The combined annual heat inputs of units C-214-4 and -5 shall not exceed 224 billion Btu per calendar year. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
14. When fired on natural gas, emissions rates from the unit shall not exceed any of the following limits: 9 ppmv 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 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, and 4306] Federally Enforceable Through Title V Permit
30. Records of monthly and annual heat input (MMBtu) when fired on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
31. Records of daily and annual backup fuel consumption consisting of the date the boiler operated on fuel oil #2 as backup fuel and the amount of time the boiler was operated, in hours, on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
32. The permittee shall monitor and record the cumulative annual hours of operation when fired on fuel oil #2 during curtailment and testing. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
33. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit
34. The operator shall pay an annual emission fee to the District for NO_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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-5-7

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

27 MMBTU/HR CLEAVER BROOKS MODEL D-24E (#2) NATURAL GAS-FIRED BOILER WITH A CLEAVER BROOKS MODEL NTS294LGS-09S-1P LOW NOX BURNER, A FLUE GAS RECIRCULATION (FGR) SYSTEM, AND FUEL OIL #2 AS BACK-UP FUEL

PERMIT UNIT REQUIREMENTS

1. Facility C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214, C-956, and C-4352 shall not exceed 25 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. The unit shall only be fired on PUC-regulated natural gas as the primary fuel and fuel oil #2 as the back-up fuel. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
6. Sulfur content of fuel oil #2 shall not exceed 0.0015% by weight. [District Rule 2201 and 4320] Federally Enforceable Through Title V Permit
7. The unit shall only be fired on fuel oil #2 as a back-up fuel during natural gas curtailment or equipment testing, and for no more than 48 cumulative hours in a calendar year. [District Rules 2201 and 4306] Federally Enforceable Through Title V Permit
8. If the unit is fired on fuel oil #2 as a back-up fuel for a period exceeding 48 cumulative hours in a calendar year, the permittee shall monitor and record the stack concentration of NOx at least once during that year using an APCO approved portable NOx analyzer. Monitoring for back-up fuel NOx emissions shall not be required when the unit is operating on primary fuel, i.e. the unit need not be fired on back-up fuel solely to perform monitoring. [District Rule 4306] Federally Enforceable Through Title V Permit
9. Back-up fuel NOx emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4306] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of: (1) the date and time of back-up fuel NOx measurements, (2) the measured back-up fuel NOx concentration (in ppmv or lb/MMBtu) corrected to 3% O2, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4306] Federally Enforceable Through Title V Permit

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

11. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
12. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel oil #2 combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
13. The combined annual heat inputs of units C-214-4 and -5 shall not exceed 224 billion Btu per calendar year. [District Rules 2201, 4305 and 4306] Federally Enforceable Through Title V Permit
14. When fired on natural gas, emissions rates from the unit shall not exceed any of the following limits: 9 ppmv NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.00285 lb-SO_x/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 NO_x @ 3% O₂ or 0.12 lb-NO_x/MMBtu, 0.0016 lb-SO_x/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 NO_x, 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 NO_x 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 NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x 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, and 4306] Federally Enforceable Through Title V Permit
30. Records of monthly and annual heat input (MMBtu) when fired on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
31. Records of daily and annual backup fuel consumption consisting of the date the boiler operated on fuel oil #2 as backup fuel and the amount of time the boiler was operated, in hours, on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
32. The permittee shall monitor and record the cumulative annual hours of operation when fired on fuel oil #2 during curtailment and testing. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
33. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit
34. The operator shall pay an annual emission fee to the District for NO_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.

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-9-3

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions shall not exceed 238.6 lb CO/day, 1102 lb NOx/day, 39.4 lb PM10/day, 73.3 lb SOx/day, nor 88.3 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 40 CFR 63.6655(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-10-3

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions shall not exceed 238.6 lb CO/day, 1102 lb NOx/day, 39.4 lb PM10/day, 73.3 lb SOx/day, nor 88.3 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 40 CFR 63.6655(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-11-3

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. Emissions shall not exceed 238.6 lb CO/day, 1102 lb NOx/day, 39.4 lb PM10/day, 73.3 lb SOx/day, nor 88.3 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 40 CFR 63.6655(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-12-3

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District Rule 2201] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
8. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 40 hours per calendar year. [District Rule 4702, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 40 CFR 63.6655(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-13-3

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Emissions shall not exceed 62.4 lb CO/day, 288 lb NOx/day, 10.3 lb PM10/day, 19.2 lb SOx/day, nor 23.0 lb VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702, 40 CFR 63.6625(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 63.6640(a)] Federally Enforceable Through Title V Permit
8. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702, 40 CFR 63.6640(f)(ii), and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702, 40 CFR 63.6655(f), and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
13. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall keep records of the maintenance conducted on the engine. [40 CFR 63.6655(e)] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-15-3

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Airflow through the ducting shall be maintained at a level sufficient to collect the dust typically generated by each piece of equipment served by that ducting. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
5. Visible emissions from the source operation shall be evaluated using EPA method 22 once per calendar year. If visible emissions are observed, corrective action shall be taken to eliminate visible emissions. If visible emissions cannot be corrected within 24 hours, a visible emissions test using EPA Method 9 shall be conducted. [District Rule 2520] Federally Enforceable Through Title V Permit
6. Annual records of visible emissions monitoring results shall be maintained and retained on the premises for a period of at least 5 years and made available for District inspection upon request. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-16-6

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Annual records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOC emissions from this booth shall not exceed 40.0 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
7. VOC content of any coatings as applied, excluding water and exempt compounds, used for any metal parts or product shall not exceed any of the following limits, except as allowed elsewhere in this permit: baked coating 275 g/l (2.3 lb/gal), air-dried coating: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of more than 45.6 centistokes at 78 degrees F or an average dry-film thickness of greater than 2.0 millimeters: 340 g/l (2.8 lb/gal), air-dried dip coating of steel joists with coating viscosity, as applied, of less than or equal to 45.6 centistokes at 78 degrees F or an average dry-film thickness of less than or equal to 2.0 millimeters: 400 g/l (3.32 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
8. VOC content of baked specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 360 g/l (3.0 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 360 g/l (3.0 lb/gal), high gloss: 360 g/l (3.0 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic topcoat: 360 g/l (3.0 lb/gal), pretreatment wash primer: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 360 g/l (3.0 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit
9. VOC content of air-dried specialty coatings as applied, excluding water and exempt compounds, used for metal parts or product shall not exceed any of the following limits: camouflage 420 g/l (3.5 lb/gal), extreme performance: 420 g/l (3.5 lb/gal), heat resistant: 420 g/l (3.5 lb/gal), high gloss: 420 g/l (3.5 lb/gal), high performance architectural: 420 g/l (3.5 lb/gal), high temperature: 420 g/l (3.5 lb/gal), metallic topcoat: 420 g/l (3.5 lb/gal), pretreatment wash primer: 420 g/l (3.5 lb/gal), silicone release: 420 g/l (3.5 lb/gal), solar absorbent: 420 g/l (3.5 lb/gal), and solid film lubricant: 880 g/l (7.3 lb/gal). [District Rule 4603] Federally Enforceable Through Title V Permit

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

10. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
11. VOC content of materials for wood products, as applied, shall not exceed any of the following limits: low-solids stain 120 g/l (1.0 lb/gallon), stripper 350 g/l (2.9 lb/gallon). [District Rule 4606] Federally Enforceable Through Title V Permit
12. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606] Federally Enforceable Through Title V Permit
13. VOC content of solvents used shall not exceed any of the following limits: product cleaning during manufacturing process or surface preparation for coating application: 25 g/l (0.21 lb/gal), repair and maintenance cleaning 25 g/l (0.21 lb/gal), and cleaning of coating application equipment: 25 g/l (0.21 lb/gal). [District Rule 4603 and 4606] Federally Enforceable Through Title V Permit
14. Only HVLP, electrostatic, electrodeposition, flow, roll, dip, brush or continuous coating application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rule 4603 and 4606] Federally Enforceable Through Title V Permit
15. Permittee shall demonstrate that HVLP guns manufactured prior to 1/1/96 operate between 0.1 and 10 psig air atomizing pressure, by manufacturer's published technical material or by use of a certified air pressure tip gauge. [District Rule 4603 and 4606] Federally Enforceable Through Title V Permit
16. An operator shall store or dispose of fresh or spent, solvents, waste solvent cleaning materials such as cloth, paper, etc, coatings, adhesives, catalysts, and thinners in closed, non-absorbent and non-leaking containers, keeping the containers closed at all times except when depositing or removing the contents of the containers or when the container is empty. [District Rule 4603 and 4606] Federally Enforceable Through Title V Permit
17. Each container or accompanying data sheet of any coating subject to this rule shall display; the maximum VOC content of the coating, as applied, and after any thinning as recommended by the manufacturer in grams of VOC per liter of coating (less water and exempt compounds), a statement of the manufacturer's recommendation regarding thinning of the coating, the name of the solvent, manufacturer's name, and the VOC content, and density of the solvent, as supplied. [District Rule 4603] Federally Enforceable Through Title V Permit
18. The permittee shall maintain a current list of coatings and solvents in use which contains all of the coating data necessary to evaluate compliance, including the following information: mix ratio of components used, VOC content and specific chemical constituents of coatings as applied, and VOC content and specific chemical constituents of solvents used for surface preparation and cleanup. [District Rule 4603] Federally Enforceable Through Title V Permit
19. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rule 4603] Federally Enforceable Through Title V Permit
20. Permittee shall maintain a current list of coatings, inks, adhesives, and solvents in use which provides all of the data necessary to evaluate compliance, including the following information, as applicable: identify coatings, catalysts, reducers, inks, adhesives and solvents; manufacturer's recommended mix ratio of components; VOC content of coatings, as applied; VOC content of solvents; VOC content of inks, as applied; and VOC content of adhesives, as applied. [District Rule 4606] Federally Enforceable Through Title V Permit
21. Permittee shall maintain records on a daily basis that provide the following information, as applicable: coating and mix ratio of components in the coating used; quantity of each coating applied; identification of coating category; identification and quantity of each ink used; identification and quantity of each adhesive used; and type and amount of solvent used for cleanup and surface preparation. [District Rule 4606] Federally Enforceable Through Title V Permit

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

22. Permittee shall keep the following records for solvent cleaning activities: manufacturers product data sheet or MSDS of solvents used, VOC content of solvents in g/l or lb/gal, and the type of cleaning activity for which each solvent is used. [District Rule 4606] Federally Enforceable Through Title V Permit
23. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rule 4603 and 4606] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-32-5

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. 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
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District 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 unit shall only be fired on PUC-regulated natural gas. [District Rules 2201 and 4320] Federally Enforceable Through Title V Permit
5. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
6. 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
7. On and after July 1, 2012, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320] Federally Enforceable Through Title V Permit
8. 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
9. 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
10. 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

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

11. 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
12. Records of monthly and annual heat input of the unit shall be maintained. [District Rules 2201, 4305, and 4306] Federally Enforceable Through Title V Permit
13. 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
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-45-3

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Annual records of the combined total emissions from units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOC emissions from this booth shall not exceed 16.8 pounds per day. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Drying oven shall operate for no more than 2.8 hours per day. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Total combined emissions of NO_x from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [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. Permittee shall maintain daily records which include the following information: volume coating/solvent mix ratio, VOC content (lb/gal or grams/liter) and, for dip coating operations, viscosity (cSt) of coating, volume of each coating used (gallons), and quantity of cleanup solvent used (gallons). [District Rule 4603] Federally Enforceable Through Title V Permit
20. Records shall be retained on-site for a minimum of five years and made available for District inspection upon request. [District Rule 4603] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-46-1

EXPIRATION DATE: 08/31/2017

EQUIPMENT DESCRIPTION:

GASOLINE DISPENSING OPERATION WITH ONE 12,000 GALLON SPLIT (8,000 GALLON GASOLINE/4,000 GALLON DIESEL) ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM, AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162)

PERMIT UNIT REQUIREMENTS

1. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year. [District Rule 2201] Federally Enforceable Through Title V Permit
2. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
3. Annual records of the combined total emissions from units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The vapor recovery systems and their components shall be operated, and maintained in accordance with the State certification requirements. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
5. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201] Federally Enforceable Through Title V Permit
7. 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
8. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621] Federally Enforceable Through Title V Permit
9. Vapor recovery systems and gasoline dispensing equipment shall be maintained leak-free. A "leak" is defined as the dripping of liquid volatile organic compounds at a rate of three or more drops per minute, or vapor volatile organic compounds in excess of 10,000 ppm as equivalent methane as determined by EPA Test Method 21. [District Rule 4622] Federally Enforceable Through Title V Permit
10. Any person conducting tests shall have completed a District-approved training program or the District's orientation class for testing and any subsequent required refresher class. [District Rule 4622] Federally Enforceable Through Title V Permit
11. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6 Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid. 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 once per month if monthly throughput is below 2,500 gallons or once per week otherwise. [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.

12. The permittee shall perform and pass a Static Leak Test for Aboveground Tanks using ARB TP-201.3B at least once every 12 months. [District Rule 4622] Federally Enforceable Through Title V Permit
13. The operator shall implement a periodic maintenance inspection program for the certified Phase II vapor recovery system consistent with Section 5.4.2 of Rule 4622. The program shall be documented in an operation and maintenance (O&M) manual and shall at a minimum contain the following information: 1) All applicable ARB Executive Orders, Approval Letters, and District Permits; 2) 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; 3) System and/or component testing requirements, including test schedules and passing criteria for each of the standard tests. The owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements; 4) Protocol for performing periodic maintenance inspections including the components to be inspected and the defects requiring repair; 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 operator shall conduct periodic maintenance inspections based on the amount of gasoline dispensed by the facility in a calendar month 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 Rule 4622] Federally Enforceable Through Title V Permit
15. The operator shall maintain monthly gasoline throughput records. [District Rule 4622] Federally Enforceable Through Title V Permit
16. 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 inspection upon request. [District Rule 4622] Federally Enforceable Through Title V Permit
17. The operator 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 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
18. The District shall be notified by the permittee 15 days prior to each test. The test results shall be submitted to the District no later than 30 days after each test. [District Rule 1081] Federally Enforceable Through Title V Permit
19. The District shall be notified within 24 hours of the facility's pass/fail status after the performance of each test. [District Rule 1081] Federally Enforceable Through Title V Permit

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

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Attachment A

Detailed Facility Printout

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

CALIF STATE PRISON - CORCORAN 4001 KING AVE CORCORAN, CA 93212	FAC # STATUS: TELEPHONE:	C 214 A 5599928800	TYPE: TOXIC ID:	TitleV 40016	EXPIRE ON: AREA: INSP. DATE:	08/31/2017 10 / 316 08/13
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-214-1-0	188 BHP IC ENGINE	3020-10 B	1	117.00	117.00	A	188 BHP DETROIT DIESEL MODEL DDFPO4AT-7008 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP (LOCATED IN BUILDING 213)
C-214-3-0	30 BHP ELECTRIC MOTORS	3020-01 B	1	117.00	117.00	A	WOODWORKING OPERATION INCLUDING: TWO RADIAL ARM SAWS, THREE FLOOR SWEEPS, AND ONE TABLE SAW ALL SERVED BY A STERNVENT MODEL 3630 DUST COLLECTOR WITH A 36" DIAMETER CYCLONE AND 300 SQ FT OF FABRIC FILTER AREA (LOCATED IN BLDG 313B, PLANT OPERATIONS WOOD SHOP)
C-214-4-6	43 MMBTU/HR BOILER	3020-02 H	1	1,030.00	1,030.00	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-214-5-6	27 MMBTU/HR BOILER	3020-02 H	1	1,030.00	1,030.00	A	27 MMBTU/HR CLEAVER BROOKS MODEL D-24E (#2) NATURAL GAS-FIRED BOILER WITH A CLEAVER BROOKS MODEL NTS294LGS-09S-1P LOW NOX BURNER, A FLUE GAS RECIRCULATION (FGR) SYSTEM, AND FUEL OIL #2 AS BACK-UP FUEL
C-214-9-0	1,490 BHP IC ENGINE	3020-10 F	1	749.00	749.00	A	1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 210)
C-214-10-0	1,490 BHP IC ENGINE	3020-10 F	1	749.00	749.00	A	1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 210)
C-214-11-0	1,490 BHP IC ENGINE	3020-10 F	1	749.00	749.00	A	1,490 BHP CUMMINS MODEL KTA-50-GI DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 201)
C-214-12-0	1,593 BHP IC ENGINE	3020-10 F	1	749.00	749.00	A	1,593 BHP CATERPILLAR MODEL 3512 DITA DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED AT HOSPITAL)
C-214-13-0	390 BHP IC ENGINE	3020-10 C	1	240.00	240.00	A	390 BHP CUMMINS MODEL NT855G3 DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (LOCATED IN BLDG 212)
C-214-15-0	30 BHP ELECTRIC MOTORS	3020-01 B	1	117.00	117.00	A	WOODWORKING OPERATION INCLUDING: TWO BELT SANDERS, ONE PLANER, ONE LATHE, ONE PANEL SAW, ONE JOINTER, ONE ROUTER, ONE TABLE SAW, AND ONE RADIAL ARM SAW ALL SERVED BY A 7,000 CFM STERNVENT MODEL CYH 3630-76 DUST COLLECTOR WITH A 36" DIAMETER CYCLONE
C-214-16-5	PAINTING OPERATION	3020-06	1	105.00	105.00	A	WOOD AND METAL PARTS COATING OPERATION (BLDG 309C)

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

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-214-32-3	8.1 MMBTU/HR BOILER	3020-02 G	1	815.00	815.00	A	8.1 MMBTU/HR CLAYTON INDUSTRIES MODEL SLG-204-2-LNG NATURAL GAS-FIRED BOILER WITH A LOW NOX BURNER
C-214-45-2	1.75 MMBTU/HR BURNER	3020-02 E	1	412.00	412.00	A	METAL PARTS AND PRODUCTS COATING OPERATION WITH A PAINT SPRAY BOOTH WITH EXHAUST FILTERS, AND A 1.75 MMBTU/HR DRYING BURNER
C-214-46-0	1 NOZZLE	3020-11 A	1	34.00	34.00	A	GASOLINE DISPENSING OPERATION WITH ONE 12,000 GALLON SPLIT (8,000 GALLON GASOLINE/4,000 GALLON DIESEL) ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM, AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162)

Number of Facilities Reported: 1

Attachment B

Exempt Equipment

**San Joaquin Valley
Unified Air Pollution Control District
Title V Application - INSIGNIFICANT ACTIVITIES**

COMPANY NAME: California State Prison-Corcoran

FACILITY ID: C - 214

Check the box next to the exemption category from Rule 2020 which describes any insignificant activity or equipment at your facility not requiring a permit.

Exemption Category	Rule 2020 Citation	√	Exemption Category	Rule 2020 Citation	√
Structure or incinerator assoc. with a structure designed as a dwelling for 4 families or less	4.1		Containers used to store refined lubricating oils	6.6.8	X
Locomotives, airplanes, and watercraft used to transport passengers or freight	4.4		Unvented pressure vessels used exclusively to store liquefied gases or assoc with exempt equipment	6.6.9 or 6.13	X
Natural gas or LPG-fired boilers or other indirect heat transfer units of 5 MMBtu/hr or less	6.1.1	X	Portable tanks used exclusively to store produced fluids for ≤ six months	6.6.10	
Piston-type i.c. engine with maximum continuous rating of 50 braking horsepower (bhp) or less	6.1.2		Mobile transport tanks on delivery vehicles of VOCs	6.6.11	
Gas turbine engines with maximum heat input rating of 3 MMBtu/hr or less	6.1.3		Loading racks used for the transfer of less than 4,000 gal/day of unheated organic material with initial boiling point ≥ 302 F or of fuel oil with specific gravity ≥ 0.8251	6.7.1.1	
Space heating equipment other than boilers	6.1.4	X	Loading racks used for the transfer of asphalt, crude or residual oil stored in exempt tanks, or crude oil with specific gravity ≥ 0.8762	6.7.1.2	
Cooling towers with a circulation rate less than 10,000 gal/min, and that are not used for cooling of process water, or water from barometric jets or condensers++	6.2	X	Equipment used exclusively for the transfer of refined lubricating oil	6.7.2	X
Use of less than 2 gal/day of graphic arts materials	6.3		Equipment used to apply architectural coatings	6.8.1	
Equipment at retail establishments used to prepare food for human consumption	6.4.1		Unheated, non-conveyorized cleaning equipment with < 10 ft ² open area; using solvents with initial boiling point ≥ 248 F; and < 25 gal/yr. evaporative losses	6.9	
Ovens at bakeries with total daily production less than 1,000 pounds and exempt by sec. 6.1.1	6.4.3	X	Brazing, soldering, or welding equipment	6.10	X
Equipment used exclusively for extruding or compression molding of rubber or plastics, where no plastisizer or blowing agent is used	6.5		Equipment used to compress natural gas	6.11	
Containers used to store clean produced water	6.6.1		Fugitive emissions sources assoc. with exempt equipment	6.12	
Containers ≤ 100 bbl used to store oil with specific gravity ≥ 0.8762	6.6.2		Pits and Ponds as defined in Rule 1020	6.15	
Containers ≤ 100 bbl installed prior to 6/1/89 used to store oil with specific gravity ≥ 0.8762	6.6.3		On-site roadmix manufacturing and the application of roadmix as a road base material	6.17	
Containers with a capacity ≤ 250 gallons used to store organic material where the actual storage temperature < 150 F	6.6.4		Emissions less than 2 lb/day from units not included above	6.19	
Containers used to store unheated organic material with an initial boiling point ≥ 302 F	6.6.5		Venting PUC quality natural gas from for sole purpose of pipeline and compressor repair and or maintenance	7.2	
Containers used to store fuel oils or non-air-blown asphalt with specific gravity ≥ 0.9042	6.6.6		Non-structural repairs & maintenance to permitted equipment	7.3	
Containers used to store petroleum distillates used as motor fuel with specific gravity ≥ 0.8251	6.6.7		Detonation of explosives ≤ 100 lb/day and 1,000 lb/year	7.4	

No insignificant activities (Check this box if no equipment in the above categories exist at your facility.)

Attachment C

SJVUAPCD Permits



Permit to Operate

FACILITY: C-214

EXPIRATION DATE: 08/31/2012

LEGAL OWNER OR OPERATOR:
MAILING ADDRESS:

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

FACILITY LOCATION:

4001 KING AVE
CORCORAN, CA 93212

FACILITY DESCRIPTION:

CORRECTIONAL INSTITUTION

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

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

Seyed Sadredin
Executive Director / APCO

David Warner
Director of Permit Services

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-1-0

EXPIRATION DATE: 08/31/2012

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. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702]
2. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
3. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
7. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
8. 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]
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
10. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 17 CCR 93115]
11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. For units at unstaffed sites or operated remotely, records may be maintained and retained at a District-approved off-site location. [District Rule 4702 and 17 CCR 93115]
12. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-3-0

EXPIRATION DATE: 08/31/2012

EQUIPMENT DESCRIPTION:

WOODWORKING OPERATION INCLUDING: (2) RADIAL ARM SAWS, (3) FLOOR SWEEPS, AND (1) TABLE SAW ALL SERVED BY A STERNVENT MODEL 3630 DUST COLLECTOR WITH A 36" DIAMETER CYCLONE AND 300 SQUARE FEET OF FABRIC FILTER AREA (LOCATED IN BLDG 313B, PLANT OPERATIONS WOOD SHOP)

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
2. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
3. 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]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. 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-214-4-6

EXPIRATION DATE: 08/31/2012

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. Facility C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
2. Total combined emissions of NOx from facilities C-214, C-956, and C-4352 shall not exceed 25 tons/year. [District Rule 2201]
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]
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. 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 Rule 2201]
8. Sulfur content of fuel oil #2 shall not exceed 0.0015% by weight. [District Rule 2201]
9. The unit shall only be fired on fuel oil #2 as a back-up fuel during natural gas curtailment or equipment testing, and for no more than 48 cumulative hours in a calendar year. [District Rules 2201 and 4306]
10. 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]
11. 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]
12. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306]
14. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel oil #2 combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306]
15. 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]
16. 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]
17. 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]
18. 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]
19. 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]
20. 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]
21. 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]
22. 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]
23. 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]
24. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. 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]
26. 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]
27. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306]
28. Stack gas oxygen (O₂) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306]
29. 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]
30. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
31. Records of monthly and combined annual heat input (MMBtu) when fired on natural gas shall be maintained. [District Rules 2201, 4305, and 4306]
32. Records of monthly and annual heat input (MMBtu) when fired on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306]
33. Records of daily and annual backup fuel consumption consisting of the date the boiler operated on fuel oil #2 as backup fuel and the amount of time the boiler was operated, in hours, on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306]
34. The permittee shall monitor and record the cumulative annual hours of operation when fired on fuel oil #2 during curtailment and testing. [District Rules 2201, 4305, and 4306]
35. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-5-6

EXPIRATION DATE: 08/31/2012

EQUIPMENT DESCRIPTION:

27 MMBTU/HR CLEAVER BROOKS MODEL D-24E (#2) NATURAL GAS-FIRED BOILER WITH A CLEAVER BROOKS MODEL NTS294LGS-09S-1P LOW NOX BURNER, A FLUE GAS RECIRCULATION (FGR) SYSTEM, AND FUEL OIL #2 AS BACK-UP FUEL

PERMIT UNIT REQUIREMENTS

1. Facility C-214, C-956, and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
2. Total combined emissions of NOx from facilities C-214, C-956, and C-4352 shall not exceed 25 tons/year. [District Rule 2201]
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]
4. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. 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 Rule 2201]
8. Sulfur content of fuel oil #2 shall not exceed 0.0015% by weight. [District Rule 2201]
9. The unit shall only be fired on fuel oil #2 as a back-up fuel during natural gas curtailment or equipment testing, and for no more than 48 cumulative hours in a calendar year. [District Rules 2201 and 4306]
10. 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]
11. 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]
12. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306]
14. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of fuel oil #2 combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306]
15. 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]
16. When fired on natural gas, emissions rates from the unit shall not exceed any of the following limits: 9 ppmv NO_x @ 3% O₂ or 0.011 lb-NO_x/MMBtu, 0.00285 lb-SO_x/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]
17. When fired on fuel oil #2, emissions rates from the unit shall not exceed any of the following limits: 94 ppmv NO_x @ 3% O₂ or 0.12 lb-NO_x/MMBtu, 0.0016 lb-SO_x/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]
18. The permittee shall monitor and record the stack concentration of NO_x, 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]
19. If either the NO_x 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]
20. 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]
21. The permittee shall maintain records of: (1) the date and time of NO_x, CO, and O₂ measurements, (2) the O₂ concentration in percent and the measured NO_x 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]
22. 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]
23. 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]
24. The source test plan shall identify which basis (ppmv or lb/MMBtu) will be used to demonstrate compliance. [District Rules 4305 and 4306]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. 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]
26. 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]
27. CO emissions for source test purposes shall be determined using EPA Method 10 or ARB Method 100. [District Rules 4305 and 4306]
28. Stack gas oxygen (O2) shall be determined using EPA Method 3 or 3A or ARB Method 100. [District Rules 4305 and 4306]
29. 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]
30. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
31. Records of monthly and combined annual heat input (MMBtu) when fired on natural gas shall be maintained. [District Rules 2201, 4305, and 4306]
32. Records of monthly and annual heat input (MMBtu) when fired on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306]
33. Records of daily and annual backup fuel consumption consisting of the date the boiler operated on fuel oil #2 as backup fuel and the amount of time the boiler was operated, in hours, on fuel oil #2 as backup fuel shall be maintained. [District Rules 2201, 4305, and 4306]
34. The permittee shall monitor and record the cumulative annual hours of operation when fired on fuel oil #2 during curtailment and testing. [District Rules 2201, 4305, and 4306]
35. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-9-0

EXPIRATION DATE: 08/31/2012

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201]
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
8. 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]
9. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115]
10. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
11. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
12. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-10-0

EXPIRATION DATE: 08/31/2012

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201]
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
8. 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]
9. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115]
10. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
11. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
12. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-11-0

EXPIRATION DATE: 08/31/2012

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201]
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
8. 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]
9. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115]
10. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
11. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
12. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-12-0

EXPIRATION DATE: 08/31/2012

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. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201]
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
7. The engine shall be operated with the timing retarded four degrees from the manufacturer's standard recommended timing. [District Rule 2201]
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
11. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 40 hours per calendar year. [District Rule 4702 and 17 CCR 93115]
12. 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]

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

13. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115]
14. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, date when the fuel was purchased, signature of the permittee who received the fuel, and signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115]
15. If this engine is located on the grounds of a K-12 school, or if this engine is located within 500 feet of the property boundary of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, between 7:30 a.m. and 3:30 p.m. on days when school is in session. [17 CCR 93115]
16. If this engine is located on the grounds of a K-12 school, the engine shall not be operated for non-emergency purposes, including maintenance and testing, whenever there is a school sponsored activity. [17 CCR 93115]
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 Rule 4702 and 17 CCR 93115]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-13-0

EXPIRATION DATE: 08/31/2012

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
2. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201]
3. This engine shall not be used to reduce the demand for electrical power when the electrical power line service has not failed, to produce power for the electrical distribution system, or as part of a voluntary utility demand reduction program or interruptible power contract. [District Rule 2201 and 4702]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
7. 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]
8. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
11. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115]
12. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-15-0

EXPIRATION DATE: 08/31/2012

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. Material removed from dust collector(s) shall be disposed of in a manner preventing entrainment into the atmosphere. [District Rule 2201]
5. 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]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-16-5

EXPIRATION DATE: 08/31/2012

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year. [District Rule 2201]
2. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201]
3. Annual records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201]
4. VOC emissions from this booth shall not exceed 40.0 pounds per day. [District Rule 2201]
5. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
6. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201]
7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
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]
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]
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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. VOC content of coatings as applied, excluding water and exempt compounds, used for wood product, shall not exceed any of the following limits: clear topcoat 275 g/l (2.3 lb/gallon), filler 275 g/l (2.3 lb/gallon), high-solids stains 240 g/l (2.0 lb/gallon), ink 500 g/l (4.2 lb/gallon), mold-seal coating 750 g/l (6.3 lb/gallon), multi-colored coating 275 g/l (2.3 lb/gallon), pigmented coating 275 g/l (2.3 lb/gallon), sanding sealer 275 g/l (2.3 lb/gallon). [District Rule 4606]
12. 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]
13. VOC content of strippable booth coating shall not exceed 450 g/l (3.8 lb/gallon) as applied, excluding water and exempt compounds. [District Rule 4606]
14. All fresh or spent coatings, adhesives, catalysts, thinners and solvents shall be stored in closed containers. Solvent laden cloth or paper shall be stored and disposed in closed non-absorbent containers. [District Rule 4603 & 4606]
15. Cleaning activities that use solvents with a VOC content greater than 50 g/l (0.42 lb/gallon) shall be performed by one or more of the following methods: wipe cleaning; application of solvent from hand-held spray bottles from which solvents are dispensed without a propellant-induced force; non-atomized solvent flow method in which the cleaning solvent is collected in a container or a collection system which is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container; or solvent flushing method in which the cleaning solvent is discharged into a container that is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. The discharged solvent from the equipment must be collected into containers without atomizing into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4603 & 4606]
16. VOC content of solvents used shall not exceed any of the following limits: product cleaning during manufacturing process or surface preparation for coating application: 50 g/l (0.42 lb/gal), repair and maintenance cleaning, cleaning of ultraviolet lamps used for the curing of ultraviolet ink or coatings): 50 g/l (0.42 lb/gal), and cleaning of coating application equipment: 550 g/l (4.6 lb/gal). [District Rule 4603 & 4606]
17. Permittee shall maintain daily records of the following: quantity and type of coatings used, mix ratios of volume of components added to each coating, volume of coatings applied, VOC content of each coating as applied, and VOC content of each solvent or stripper. [District Rule 4603 & 4606]
18. 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 & 4606]
19. Only electrostatic, brush, dip, or roll coating application equipment shall be used, and shall be operated in accordance with the manufacturer's recommendations. [District Rules 4603 & 4606]
20. Records shall be retained for a period of at least five years and made available for District inspection upon request. [District Rules 4603 & 4606]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-32-3

EXPIRATION DATE: 08/31/2012

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. Pursuant to Rule 4320, beginning in 2010 the operator shall pay an annual emission fee to the District for NOx emissions from this unit for the previous calendar year. Payments are due by July 1 of each year. Payments shall continue annually until either the unit is permanently removed from service in the District or the operator demonstrates compliance with the applicable NOx emission limit listed in Rule 4320. [District Rule 4320]
2. All equipment shall be maintained in good operating condition and shall be operated in a manner to minimize emissions of air contaminants into the atmosphere. [District Rule 2201]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
6. The unit shall only be fired on PUC-regulated natural gas. [District Rule 2201]
7. A non-resettable, totalizing mass or volumetric fuel flow meter to measure the amount of natural gas combusted in the unit shall be installed, utilized and maintained. [District Rules 2201, 4305, and 4306]
8. Maximum annual heat input of the unit shall not exceed 9 billion Btu per calendar year. [District Rules 2201, 4305, and 4306]
9. On and after July 1, 2012, the permittee shall submit an analysis showing the fuel's sulfur content at least once every year. Valid purchase contracts, supplier certifications, tariff sheets, or transportation contracts may be used to satisfy this requirement, provided they establish the fuel parameters mentioned above. [District Rule 4320]
10. 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]
11. 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]
12. 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]

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

13. 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]
14. Records of monthly and annual heat input of the unit shall be maintained. [District Rules 2201, 4305, and 4306]
15. Records of tune-up and monitoring of the operational characteristics of the unit shall be maintained. [District Rules 4305 and 4306]
16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 4305, and 4306]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-45-2

EXPIRATION DATE: 08/31/2012

EQUIPMENT DESCRIPTION:

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

PERMIT UNIT REQUIREMENTS

1. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year. [District Rule 2201]
2. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201]
3. Annual records of the combined total emissions from units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201]
4. VOC emissions from this booth shall not exceed 16.8 pounds per day. [District Rule 2201]
5. Drying oven shall operate for no more than 2.8 hours per day. [District Rule 2201]
6. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
7. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201]
8. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
9. 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]
10. 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]
11. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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12. Only HVLP, electrostatic, brush, dip, flow, or roll coating application equipment shall be used, and the application equipment shall be operated in accordance with the manufacturer's recommendations. [District Rule 4603]
13. 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]
14. All fresh or spent coatings, adhesives, catalysts, thinners and solvents shall be stored in closed containers. Solvent laden cloth or paper shall be stored and disposed in closed non-absorbent containers. [District Rule 4603]
15. Cleaning activities that use solvents with a VOC content greater than 50 g/l (0.42 lb/gallon) shall be performed by one or more of the following methods: wipe cleaning; application of solvent from hand-held spray bottles from which solvents are dispensed without a propellant-induced force; non-atomized solvent flow method in which the cleaning solvent is collected in a container or a collection system which is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container; or solvent flushing method in which the cleaning solvent is discharged into a container that is closed except for solvent collection openings and, if necessary, openings to avoid excessive pressure build-up inside the container. The discharged solvent from the equipment must be collected into containers without atomizing into the open air. The solvent may be flushed through the system by air or hydraulic pressure, or by pumping. [District Rule 4603]
16. The permittee shall not use materials with a VOC content greater than 50 g/l (0.42 lb/gallon) for spray equipment clean-up unless an enclosed system or equipment proven to be equally effective is used for cleaning. [District Rule 4603]
17. VOC content of solvents used shall not exceed any of the following limits: product cleaning during manufacturing process or surface preparation for coating application: 50 g/l (0.42 lb/gal), repair and maintenance cleaning, cleaning of ultraviolet lamps used for the curing of ultraviolet ink or coatings): 50 g/l (0.42 lb/gal), and cleaning of coating application equipment: 550 g/l (4.6 lb/gal). [District Rule 4603]
18. Permittee shall maintain daily records of the following: quantity and type of coatings used, mix ratios of volume of components added to each coating, volume of coatings applied, VOC content of each coating as applied, and VOC content of each solvent or stripper. [District Rule 4603]
19. 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]
20. 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]
21. Records shall be retained for a period of at least five years and made available for District inspection upon request. [District Rule 4603]

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-214-46-0

EXPIRATION DATE: 08/31/2012

EQUIPMENT DESCRIPTION:

GASOLINE DISPENSING OPERATION WITH ONE 12,000 GALLON SPLIT (8,000 GALLON GASOLINE/4,000 GALLON DIESEL) ABOVEGROUND STORAGE TANK SERVED BY TWO-POINT PHASE I VAPOR RECOVERY SYSTEM, AND 1 FUELING POINT WITH 1 GASOLINE DISPENSING NOZZLE SERVED BY BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-162)

PERMIT UNIT REQUIREMENTS

1. Combined VOC emissions from permit units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall not exceed 17,800 pounds per year. [District Rule 2201]
2. Monthly records of the combined total emissions from units C-214-16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201]
3. Annual records of the combined total emissions from units C-214 -16, -45 and -46, and C-4352-3, -14, -17, -18, and -19 shall be maintained. [District Rule 2201]
4. The vapor recovery systems and their components shall be operated, and maintained in accordance with the State certification requirements. [District Rules 4621 and 4622]
5. Facility C-214 and C-4352 are the same stationary source for SJVAPCD permitting purposes. [District Rule 2201]
6. Total combined emissions of NOx from facilities C-214 and C-4352 shall not exceed 49.9 tons/year. [District Rule 2201]
7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
8. 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]
9. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo tank which attest to the vapor integrity of the tank. [District Rule 4621]
10. Vapor recovery systems and gasoline dispensing equipment shall be maintained leak-free. A "leak" is defined as the dripping of liquid volatile organic compounds at a rate of three or more drops per minute, or vapor volatile organic compounds in excess of 10,000 ppm as equivalent methane as determined by EPA Test Method 21. [District Rule 4622]
11. Any person conducting tests shall have completed a District-approved training program or the District's orientation class for testing and any subsequent required refresher class. [District Rule 4622]
12. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6 Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid. 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 once per month if monthly throughput is below 2,500 gallons or once per week otherwise. [District Rule 4622]
13. The permittee shall perform and pass a Static Leak Test for Aboveground Tanks using ARB TP-201.3B at least once every 12 months. [District Rule 4622]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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14. The operator shall implement a periodic maintenance inspection program for the certified Phase II vapor recovery system consistent with Section 5.4.2 of Rule 4622. The program shall be documented in an operation and maintenance (O&M) manual and shall at a minimum contain the following information: 1) All applicable ARB Executive Orders, Approval Letters, and District Permits; 2) 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; 3) System and/or component testing requirements, including test schedules and passing criteria for each of the standard tests. The owner/operator may include any non-ARB required diagnostic and other tests as part of the testing requirements; 4) Protocol for performing periodic maintenance inspections including the components to be inspected and the defects requiring repair; 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]
15. The operator shall conduct periodic maintenance inspections based on the amount of gasoline dispensed by the facility in a calendar month 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 Rule 4622]
16. The operator shall maintain monthly gasoline throughput records. [District Rule 4622]
17. 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 inspection upon request. [District Rule 4622]
18. The operator 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 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]
19. The District shall be notified by the permittee 15 days prior to each test. The test results shall be submitted to the District no later than 30 days after each test. [District Rule 1081]
20. The District shall be notified within 24 hours of the facility's pass/fail status after the performance of each test. [District Rule 1081]

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