

May 12, 2026

Antonio Estrada
Fresno Cogeneration Partners
650 Bercut Drive, Suite C
Sacramento, CA

Re: Notice of Preliminary Decision – Title V Permit Renewal
Facility Number: C-14
Project Number: C-1250116

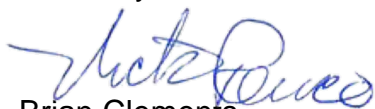
Dear Mr. Estrada:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Fresno Cogeneration Partners at 8105 S Lassen Avenue, San Joaquin.

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

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Nick Peirce, Permit Services Manager, at (209) 557-6400.

Sincerely,



Brian Clements
Director of Permit Services

Enclosures

cc: Courtney Graham, CARB (w/enclosure) via email
cc: EPA Region 9 Air Permitting Manager (w/enclosure) via EPS

Samir Sheikh
Executive Director/Air Pollution Control Officer

Northern Region
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**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation
Fresno Cogeneration Partners
C-14**

TABLE OF CONTENTS

I.	PROPOSAL.....	2
II.	FACILITY LOCATION	2
III.	EQUIPMENT LISTING	3
IV.	GENERAL PERMIT TEMPLATE USAGE	3
V.	SCOPE OF EPA AND PUBLIC REVIEW	3
VI.	FEDERALLY ENFORCEABLE REQUIREMENTS	3
VII.	REQUIREMENTS NOT FEDERALLY ENFORCEABLE.....	7
VIII.	PERMIT REQUIREMENTS	8
IX.	PERMIT SHIELD.....	14
X.	CALIFORNIA ENVIRONMENTAL QUALITY ACT	14
XI.	PERMIT CONDITIONS	15
ATTACHMENTS		15
A.	DRAFT RENEWED TITLE V OPERATING PERMITS	
B.	PREVIOUS TITLE V OPERATING PERMITS	
C.	POTENTIAL TO EMIT - HAP EMISSIONS	
D.	DETAILED SUMMARY LIST OF FACILITY PERMITS	

TITLE V PERMIT RENEWAL EVALUATION

Cogeneration Operation

Engineer: Alex Chu
Date: May 7, 2026

Facility Number: C-14
Facility Name: Fresno Cogeneration Partners
Mailing Address: 650 Bercut Drive, Suite C
Sacramento, CA 95811

Contact Name: Antonio Estrada
Phone: (559) 693-2494

Responsible Official: Paul Cummins
Title: Vice President

Project #: C-1250116
Deemed Complete: February 4, 2025

I. PROPOSAL

Fresno Cogeneration Partners was last issued a renewed Title V permit on September 3, 2021. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the renewed Title V permit.

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

II. FACILITY LOCATION

Fresno Cogeneration Partners is located at 8105 South Lassen Avenue in San Joaquin, California.

III. EQUIPMENT LISTING

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

IV. GENERAL PERMIT TEMPLATE USAGE

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

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

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

V. SCOPE OF EPA AND PUBLIC REVIEW

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

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

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

Conditions 3 through 22 and 26 through 40 of the requirements for draft renewed permit C-14-0-6.

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated Since September 3, 2021

- District Rule 2201, New and Modified Stationary Source Review Rule (Amended August 15, 2019 ⇒ amended August 20, 2023)
- District Rule 2520, Federally Mandated Operating Permits (Amended August 15, 2019 ⇒ amended June 20, 2024)

- District Rule 4101, Visible Emissions
(Amended December February 17, 2005 ⇒ amended April 16, 2026)
- District Rule 4601, Architectural Coatings
(Amended December 17, 2009 ⇒ amended April 16, 2020)¹
- District Rule 4702, Internal Combustion Engines
(Amended November 14, 2013 ⇒ amended August 19, 2021)²
- District Rule 8051, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Open Areas
(Amended August 19, 2004 ⇒ amended September 21, 2023)
- 40 CFR Part 60 Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
(Amended July 7, 2016 ⇒ amended August 30, 2024)
- 40 CFR Part 63 Subpart YYYY, National Emissions Standards for Hazardous Air Pollutants for Stationary Combustion Turbines
(Amended March 9, 2022)
- 40 CFR Part 63 Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
(Amended December 4, 2020 ⇒ amended August 30, 2024)
- 40 CFR Part 64, Compliance Assurance Monitoring
(Amended October 22, 1997)

B. Rules Removed Since September 3, 2021

- Fresno County Rule 110, Equipment Breakdown
(SIP approved 8/22/1977 ⇒ Rescinded from SIP 3/28/2024)
- Kern County Rule 111, Equipment Breakdown
(SIP approved 10/24/1980 ⇒ Rescinded from SIP 3/28/2024)

¹ Although District Rule 4601 was amended prior September 3, 2021, when the Title V permit was last renewed, the changes to District Rule 4601 were not addressed in that renewal. Therefore, the April 2020 amendments to District Rule 4601 will be evaluated in this Title V renewal.

² District Rule 4702 was amended while the previous Title V renewal was out for public notice; therefore, the August 2021 amendments to District Rule 4702 were not addressed in the previous renewal. Therefore, the August 2021 amendments to District Rule 4702 will be evaluated in this Title V Renewal.

- Kings County Rule 111, Equipment Breakdown
(SIP approved, last amended 6/18/1982 ⇒ Rescinded from SIP 3/28/2024)
- Madera County Rule 113, Equipment Breakdown
(SIP approved 11/18/1983 ⇒ Rescinded from SIP 3/28/2024)
- Stanislaus County Rule 110, Equipment Breakdown
(SIP approved 6/1/1983 ⇒ Rescinded from SIP 3/28/2024)
- Tulare County Rule 111, Equipment Breakdown
(SIP approved 8/22/1977 ⇒ Rescinded from SIP 3/28/2024)

C. Rules Added Since September 3, 2021

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

D. Rules Not Updated Since September 3, 2021

- District Rule 1070, Inspections
(Amended December 17, 1992)
- District Rule 1080, Stack Monitoring
(Amended December 17, 1992)
- District Rule 1081, Source Sampling
(Amended December 17, 1992)
- District Rule 1100, Equipment Breakdown
(Amended December 17, 1992)
- District Rule 1160, Emission Statements
(Amended November 18, 1992)
- District Rule 2010, Permits Required
(Amended December 17, 1992)
- District Rule 2031, Transfer of Permits
(Amended December 17, 1992)
- District Rule 2040, Applications
(Amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications
(Amended December 17, 1992)

- District Rule 2080, Conditional Approval
(Amended December 17, 1992)
- District Rule 2410, Prevention of Significant Deterioration
(Effective November 26, 2012)
- District Rule 4201, Particulate Matter Concentration
(Amended December 17, 1992)
- District Rule 4301, Fuel Burning Equipment
(Amended December 17, 1992)
- District Rule 4703, Stationary Gas Turbines
(Amended September 20, 2007)
- District Rule 4801, Sulfur Compounds
(Amended December 17, 1992)
- District Rule 8011, Fugitive Dust General Requirements
(Amended August 19, 2004)
- District Rule 8021, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Construction, Demolition, Excavation, and Extraction Activities
(Amended August 19, 2004)
- District Rule 8031, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Handling and Storage of Bulk Materials
(Amended August 19, 2004)
- District Rule 8041, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Carryout and Trackout
(Amended August 19, 2004)
- District Rule 8061, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Paved and Unpaved Roads
(Amended August 19, 2004)
- District Rule 8071, Fugitive Dust Requirements for Control of Fine Particulate Matter (PM10) from Unpaved Vehicle/Equipment Areas
(Amended September 16, 2004)

- 40 CFR Part 60, Subpart GG, Standards of Performance for Stationary Gas Turbines
(Amended February 27, 2014)
- 40 CFR Part 60 Subpart KKKK, Standards of Performance for Stationary Combustion Turbines
(Amended December 7, 2020)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos
(Amended July 20, 2004)
- 40 CFR Part 72, Subpart A, Acid Rain Program General Provisions
(Amended March 28, 2011)
- 40 CFR Part 73, Sulfur Dioxide Allowance System
(Amended April 28, 2006)
- 40 CFR Part 75, Continuous Emission Monitoring
(Amended April 22, 2020)
- 40 CFR Part 77, Excess Emissions
(Amended May 12, 2005)

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

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

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

A. Rules Added

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

A. Rules Not Updated

- District Rule 1100, Equipment Breakdown
(Amended December 17, 1992)
- District Rule 1160, Emission Statements
(Amended November 18, 1992)

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

District Rule 2040 was adopted into the State Implementation Plan (SIP) on September 21, 1999. However, effective December 16, 2004, as a correction to California's SIP, EPA removed Rule 2040 as well as rules from over 30 California air districts that solely concerned administrative actions, local fees, enforcement authorities, variances, and hearing board procedures. Therefore, the federal enforceability designation will be removed from condition #7 on the proposed facility-wide permit.

- District Rule 4102, Nuisance
(Amended December 17, 1992)
- Title 17 California Code of Regulations (CCR) Section 93115, Airborne Toxic Control Measure for Stationary Compression Ignition Engines
(Effective May 19, 2011)

VIII. PERMIT REQUIREMENTS

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

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

In accordance with EPA's State Implementation Plan (SIP) Call, on February 17, 2022, the District rescinded Fresno County Rule 110, Kern County Rule 111, Kings County Rule 111, Madera County Rule 113, Merced County Rule 109, Stanislaus County Rule 110, and Tulare County Rule 111 from the San Joaquin Valley SIP.

This facility is located in Fresno County; therefore, only Fresno County Rules apply to the facility. Since the Fresno County Rule has been removed from the SIP, proposed conditions 1 and 2 on permit C-14-0-1 are no longer Federally Enforceable and all references to the aforementioned county rules will be removed. These conditions continue to reference District Rule 1100, which is also not Federally Enforceable.

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

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

C. District Rule 2520 – Federally Mandated Operating Permits

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

Greenhouse Gas Discussion

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

D. District Rule 4101 – Visible Emissions

The recent amendments to District Rule 4101 allow for alternative methods of becoming certified to accurately read visible emissions using EPA Method 9. The changes to the Rule do not affect any of the conditions on the Title V permits at this facility; therefore, no changes to the TV permit were required to address the amendments to District Rule 4101.

E. District Rule 4601 – Architectural Coatings

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

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

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

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

- No person shall manufacture, blend, repackage, supply, market, sell, solicit or apply any architectural coating or colorant with a VOC content in excess of the applicable limits specified in Table 1 (Coatings) and Table 2 (Colorants) of District Rule 4601 (4/16/20), unless exempted under section 4.0 of District Rule 4601 (Amended 4/16/20). [District Rule 4601]
- All VOC-containing materials subject to Rule 4601 (4/16/20) shall be stored in closed containers when not in use. [District Rule 4601]
- The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (4/16/20). [District Rule 4601]

F. District Rule 4702 – Internal Combustion Engines

This rule was amended on August 19, 2021. However, the amended rule has not yet been approved by the EPA into California State Implementation Plan (SIP). This rule's previous version (November 14, 2013) was approved by the EPA into California's SIP. Conditions enforcing the previous version of this rule were incorporated into appropriate permit during the previous Title V renewal project.

Besides not being incorporated into the SIP, the latest amendments to Rule 4702 did not modify any of the requirements for emergency IC engines. Since this facility only includes an emergency IC engine, no changes to engine permits are necessary and continued compliance with Rule 4702 requirements is expected.

G. District Rule 8051 – Fugitive Dust Requirements for Control of Fine Particulate Matter (PM₁₀) from Open Areas

The purpose of this rule is to limit fugitive dust emissions from open areas. This rule applies to any area having 0.5 acres or more within urban areas, or 3.0 acres or more within rural areas; and contains at least 1,000 square feet of disturbed surface area.

This rule was amended on September 21, 2023 and is not SIP approved. The revisions to this rule include:

- Amendments to Section 4.0, Exemptions, which now exempts rural parcels between 1.0 and 3.0 acres that trigger section 7.0 and that implement

certain fire prevention methods as required by a Federal, State, or local agency.

- Addition of Section 7.0, Contingency Provision, which makes urban open areas having 0.5 or more acres or rural open areas having 1.0 or more acres; and contain at least 1,000 square feet of disturbed surface area, subject to the requirements of this rule.

The proposed changes to this rule will not impact facility compliance with the applicable requirements. Therefore, the current requirements of Rule 8051 are satisfied and no further discussion is required.

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

This subpart applies 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 (1) manufactured after April 1, 2006 and are not fire pump engines, or (2) are manufactured after July 1, 2006 as a certified National Fire Protection Association (NFPA) fire pump engine.

The emergency IC engine permitted under permit C-14-5 was installed in 1996, which is prior to 2006. Therefore, Subpart IIII requirements are not applicable to this engine and no further discussion is required.

I. 40 CFR Part 63, Subpart YYYY – National Emissions Standards for Hazardous Air Pollutants for Stationary Combustion Turbines

Subpart YYYY establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emissions from stationary combustion turbines located at major sources of HAP emissions, and requirements to demonstrate initial and continuous compliance with the emission and operating limitations.

As shown in Attachment C, the facility is not a major source of HAP emissions. Therefore, the stationary combustion turbines permitted under permits C-14-10 and '-11 are not subject to this subpart.

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

This subpart establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and area sources of HAP emissions.

This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations. Permit unit C-

14-5 is a diesel-fired emergency standby IC engine and is therefore subject to this subpart.

The amendments to this subpart include the streamlining of the existing fuel quality regulations in Section § 63.6604 and revisions to paragraphs (b) and (d) in Section § 63.6645. The amendments did not change the stringency of existing fuel quality standards for the specific engines in this project and do not have any effect on the current permit requirements for the engine permitted at this facility. Therefore, no changes to the conditions resulted from the modification of this subpart and this subpart will not be addressed further in this evaluation.

K. 40 CFR Part 64 – Compliance Assurance Monitoring (CAM)

This subpart requires monitoring for units that meet the following criteria:

- 1) The unit is subject to an emission limit for the applicable regulated air pollutant;
- 2) The unit uses a control device to achieve compliance with any such emission limit or standard; and
- 3) The unit has a pre-control potential to emit greater than the major source thresholds found below

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

1. C-14-5: 534 BHP (INTERMITTENT) CATERPILLAR MODEL 3406B DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR

This emergency engine has limits for SO_x and PM₁₀, but does not have any add-on controls. Therefore, this unit is not subject to CAM requirements.

2. C-14-10: 23 MW ELECTRICAL GENERATOR POWERED BY A PRATT AND WHITNEY MODEL FT4A9 GAS-FIRED, SIMPLE CYCLE TURBINE ENGINE WITH DRY LOW NOX (DLN) TECHNOLOGY OR WATER INJECTION, A SELECTIVE CATALYTIC REDUCTIONS (SCR) SYSTEM, AN OXIDATION CATALYST, AN INLET AIR EVAPORATIVE COOLER, AND LUBE OIL VENT MIST ELIMINATORS

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO, and VOC. The turbine is equipped with a selective catalytic reduction (SCR) system for NO_x control and an oxidation catalyst for CO and VOC control. Since these are the only regulated pollutants subject to emission limits and controlled by add-on control devices, only NO_x, CO, and VOC are potentially subject to CAM requirements.

Pursuant to the exemption in Section 64.2(b)(vi), emissions limits or standards for which the permit specifies a continuous compliance determination are exempt from CAM requirements. Since this turbine is equipped with a Continuous Emission Monitoring system (CEMs) that continuously monitors NO_x and CO emissions, CAM does not apply to NO_x and CO.

For VOC, the uncontrolled emission factor from AP-42 Table 3.1-2a (4/00) is 2.1×10^{-3} lb-VOC/MMBtu. The turbine is limited to a maximum heat input of 1,320,000 MMBtu/year. Therefore, the maximum uncontrolled VOC emissions are calculated to be 2,772 lb-VOC/year, which is below the 20,000 lb-VOC/year CAM applicability threshold. Accordingly, CAM does not apply to VOC emissions from this permit unit.

As discussed above, SO_x and PM₁₀ are not subject to CAM requirements, as this permit unit is not equipped with any add-on control device for these pollutants.

3. C-14-11: 45 MW GENERAL ELECTRIC LM-6000PC SIMPLE CYCLE GAS TURBINE WITH SELECTIVE CATALYTIC REDUCTION AND CO OXIDATION CATALYST

This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO, and VOC. The turbine is equipped with a selective catalytic reduction (SCR) system for NO_x control and an oxidation catalyst for CO and VOC control. Since these are the only regulated pollutants subject to emission limits and controlled by add-on control devices, only NO_x, CO, and VOC are potentially subject to CAM requirements.

Pursuant to the exemption in Section 64.2(b)(vi), emissions limits or standards for which the permit specifies a continuous compliance determination are exempt from CAM requirements. Since this turbine is equipped with a Continuous Emission Monitoring system (CEMs) that continuously monitors NO_x and CO emissions, CAM does not apply to NO_x and CO.

For VOC, the uncontrolled emission factor from AP-42 Table 3.1-2a (4/00) is 2.1×10^{-3} lb-VOC/MMBtu. The turbine is limited to a maximum heat input of 2,824,250 MMBtu/year. Therefore, the maximum uncontrolled VOC emissions are calculated to be 5,931 lb-VOC/year, which is below the 20,000 lb-VOC/year CAM applicability threshold. Accordingly, CAM does not apply to VOC emissions from this permit unit.

As discussed above, SO_x and PM₁₀ are not subject to CAM requirements, as this permit unit is not equipped with any add-on control device for these pollutants.

IX. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

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

By submitting Model General Permit Template SJV-UM-0-3 qualification form, the applicant has requested that a permit shield be granted for all the applicable requirements identified by the template. Therefore, the permit shields as granted in Model General Permit Template is included in the facility-wide requirements (C-14-0).

B. Requirements not Addressed by Model General Permit Templates

This Title V permit renewal does not include any proposals for new permit shields or modifications to any pre-existing permit shields. The proposed renewed Title V permit therefore does not include any new or modified permit shields.

C. Obsolete Permit Shields from Existing Permit Requirements

Condition #39 of the proposed TV permit C-9856-0-1 was modified to remove references to County Rules where the equipment is not located and to remove Fresno County Rule 110, which no longer applies since it was removed from the SIP.

Condition #40 of the proposed TV permit C-9856-0-1 was modified to remove references to District Rules 1100 and 2040 since those Rules are not in the SIP and are not Federally Enforceable. Rules 4601 and 8051 were also updated; therefore, the updated Rules were removed from the permit shield.

X. California Environmental Quality Act

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

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

XI. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

XII. ATTACHMENTS

- A. Draft Renewed Title V Operating Permits
- B. Previous Title V Operating Permits
- C. Potential to Emit – HAP Emissions
- D. Detailed Summary List of Facility Permits

ATTACHMENT A

Draft Renewed Title V Operating Permits

San Joaquin Valley Air Pollution Control District

FACILITY: C-14-0-6

EXPIRATION DATE: 08/31/2025

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]
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]
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040]
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: FRESNO COGENERATION PARTNERS
Location: 8105 S LASSEN AVE, SAN JOAQUIN, CA 93660

C-14-0-6 : 9/11/2025 8:28:28 AM -- CHUA

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

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

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

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

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

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-14-5-8

EXPIRATION DATE: 08/31/2025

EQUIPMENT DESCRIPTION:

534 BHP (INTERMITTENT) CATERPILLAR MODEL 3406B DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 406 (Fresno)] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. During periods of 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, oil pressure, exhaust gas temperature, etc.). [District Rule 4702] Federally Enforceable Through Title V Permit
9. 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] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the initial start-up hours, the number of hours of operation, the purpose of the operation (for example, load testing, weekly testing, rolling blackout, general area power outage, etc.), and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2520 9.4.2, and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4.2, and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-14-10-16

EXPIRATION DATE: 08/31/2025

EQUIPMENT DESCRIPTION:

23 MW ELECTRICAL GENERATOR POWERED BY A PRATT AND WHITNEY MODEL FT4A9 GAS-FIRED, SIMPLE CYCLE TURBINE ENGINE WITH DRY LOW NOX (DLN) TECHNOLOGY OR WATER INJECTION, A SELECTIVE CATALYTIC REDUCTIONS (SCR) SYSTEM, AN OXIDATION CATALYST, AN INLET AIR EVAPORATIVE COOLER, AND LUBE OIL VENT MIST ELIMINATORS

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. {2257} Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [40 CFR 60.333(a); County Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus)] 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. Gas turbine shall be equipped with a calibrated continuous monitoring system to measure and record hours of operation and fuel consumption. [District Rules 2201, 2520, and 4703] Federally Enforceable Through Title V Permit
5. The gas turbine engine and generator lube oil vents shall be equipped with mist eliminators. Visible emissions from lube oil vents shall not exhibit opacity of 5% or greater except for up to three minutes in any hour. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The heat input to the turbine shall not exceed 1,320,000 MMBtu/year based on a 12-month rolling sum. Compliance with this limit shall be determined at the end of each month. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Units subject to the Specific Limiting Condition (SLC) plan are C-14-10 and '-11. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Combined emission rate for all units subject to the SLC plan shall not exceed any of the following: 120.9 lb-PM10/day, 50.9 lb-SOx/day, 209.2 lb-NOx/day, 562.7 lb-CO/day, or 45.7 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The combined annual emissions rates for all units subject to the SLC plan shall not exceed either of the following: 48,539 lb-NOx/year or 199,889 lb-CO/year. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The permittee shall apply to revise each Permit to Operate subject to the SLC when any unit subject to the SLC has a District-authorized change in daily emissions rate, or Permit to Operate is surrendered or sold. [District Rule 2201] Federally Enforceable Through Title V Permit
11. For each unit subject to the SLC, the permittee shall maintain all necessary records in order to show compliance with the daily and annual SLC limits, including (but not limited to) the following: 1) amount of fuel used, 2) HHV of fuel, 3) calculated daily emissions for each air contaminant emitted, 4) daily emissions measured by CEMS, 5) and calculated combined annual emissions for NOx and CO. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. This unit shall be fired exclusively on PUC-quality natural gas and the PUC-quality natural gas shall have a total sulfur content of less than or equal to 1.0 gr/100 scf. [40 CFR 60.333(b) and District Rules 2201 and 4801] Federally Enforceable Through Title V Permit
13. The fuel sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, or tariff sheet or transportation contract or (ii) monitored weekly using ASTM Methods D4084, D5504, D6228, or GAS Processors Association Standard 2377. If the fuel sulfur content is less than 1.0 gr/100 scf for 8 consecutive weeks, then the monitoring frequency shall be every 6 months. If any six-month monitoring tests result in a fuel sulfur content exceedance, weekly monitoring shall resume. [40 CFR 60.334(h)(3)] Federally Enforceable Through Title V Permit
14. Except during transitional operation period, emission rates from the gas turbine shall not exceed any of the following: PM10: 2.22 lb/hr, SO_x (as SO₂): 0.98 lb/hr, NO_x (as NO₂): 5.0 ppmvd @ 15% O₂ and 6.20 lb/hr (based on a 3-hour average), VOC: 2.0 ppmvd @ 15% O₂ and 0.88 lb/hr, CO: 12.0 ppmvd @ 15% O₂ and 8.07 lb/hr (based on a 3-hour rolling average), or ammonia: 10 ppmvd @ 15% O₂ (based on a 1-hour rolling average). [District Rules 2201, 4102, and 4703; and 40 CFR Part 60 Subpart GG] Federally Enforceable Through Title V Permit
15. During transitional operation period, emission rates from the gas turbine shall not exceed any of the following: PM10: 2.22 lb/hr, SO_x (as SO₂): 0.98 lb/hr, NO_x (as NO₂): 20 lb/hr (based on a 3-hour rolling average), VOC: 0.88 lb/hr, CO: 8.07 lb/r (based on a 3-hour rolling average), or ammonia: 20 ppmvd @ 15% O₂ (based on a 1-hour rolling average). [District Rules 2201, 4102, and 4703] Federally Enforceable Through Title V Permit
16. Transitional operation period shall be any of the following periods as they are define in Rule 4703: bypass transition period, primary re-ignition period, reduced load period start-up or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
17. Permittee 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] Federally Enforceable Through Title V Permit
18. In the event of a breakdown of monitoring equipment, the owner shall notify the APCO as soon as reasonably possible, but no later than eight (8) hours after its detection, unless the owner or operator demonstrates to the APCO's satisfaction that a longer reporting period was necessary, and shall initiate repairs. The owner shall inform the APCO of the intent to shut down any monitoring equipment at least 24 hours prior to the event. [District Rule 1080] Federally Enforceable Through Title V Permit
19. A violation of emissions standards indicated by the CEM system shall be reported to the APCO within 96 hours. [District Rule 1080] Federally Enforceable Through Title V Permit
20. 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] Federally Enforceable Through Title V Permit
21. Compliance with the ammonia slip limit shall be demonstrated by using the following calculation procedure: ammonia slip ppmv @ 15% O₂ = ((a-(bxc/1,000,000)) x 1,000,000/b), where a = ammonia injection rate (lb/hr)/17 lb/lb.mol, b = dry exhaust gas flow rate (lb/hr)/29(lb/lb.mol), and c = change in measure NO_x concentration ppmv @ 15% O₂ across catalyst. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Compliance testing to measure the NO_x (as NO₂), VOC, CO, ammonia emissions, and fuel gas sulfur content of this permit unit shall be conducted at least once every twelve months. Compliance testing may be conducted once every 24 months if the turbine operates less than 877 hours in a calendar year. A one calendar quarter grace period is provided if operation equals or exceeds 877 hours in a calendar year and compliance testing cannot be conducted within that year [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
23. Compliance testing to measure PM10 emissions shall be conducted at least once every 60 months. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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24. The following test methods shall be used. PM10: EPA Method 5 (front half and back half), NOx: EPA Method 7E or 20, CO: EPA Method 10 or 10B, O2: EPA Method 3, 3A, or 20, VOC: EPA Method 18 or 25, ammonia: BAAQMD ST-1B, and fuel gas sulfur content: ASTM D3246. Alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. [District Rules 1081 and 4703; and 40 CFR 60.335] Federally Enforceable Through Title V Permit
25. HHV and LHV of the fuel shall be determined using ASTM D3588, ASTM 1826, or ASTM 1945. [40 CFR 60.332(a),(b) and District Rule 4703, 6.4.5] Federally Enforceable Through Title V Permit
26. Permittee shall comply with all applicable source sampling requirements of District Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
27. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Compliance demonstration (source testing) shall be District witnessed, or authorized and the samples shall be collected by a California Air Resources Board certified testing laboratory. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days of source testing. [District Rule 1081] Federally Enforceable Through Title V Permit
29. The owner or operator shall certify, maintain, operate, and quality-assure a Continuous Emissions Monitoring System (CEMS) which continuously measures and records the exhaust gas NOx (before and after the SCR catalyst), CO, and O2 concentrations. The CEMS shall be capable of monitoring emissions during startups and shutdowns, as well as during normal operating conditions. [District Rules 1080, 2201, and 4703; and 40 CFR 60.334(b)] Federally Enforceable Through Title V Permit
30. The CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. [40 CFR 60.334(b)(2) and District Rule 1080] Federally Enforceable Through Title V Permit
31. Results of the CEM system shall be averaged over three hour periods using consecutive 15-minute sampling periods in accordance with either EPA Method 7E or EPA Method 20 for NOx, EPA Methods 10 or 10B for CO, or EPA Methods 3, 3A, or 20 for O2, or all applicable requirements of CFR 60.13. [40 CFR 60.13 and District Rule 4703 5.1, 6.4] Federally Enforceable Through Title V Permit
32. The NOx, CO, and O2 CEMS shall meet the requirements in 40 CFR 60, Appendix F Procedure 1 and Part 60 Appendix B Performance Specifications 2 and 3. [40 CFR 60.334(b)(1) and District Rule 1080] Federally Enforceable Through Title V Permit
33. The owner or operator shall maintain CEMS records that contain the following: the occurrence and duration of any start-up, shutdown, or malfunction, performance testing evaluations, calibration, checks, adjustments, maintenance, duration of any periods during which a continuous monitoring system or monitoring device is inoperative, and emissions measurements. [40 CFR 60.7(b) and District Rule 1080] Federally Enforceable Through Title V Permit
34. Cylinder Gas Audits of continuous emissions monitors shall be conducted quarterly, except during quarters in which relative accuracy and total accuracy testing is performed, in accordance with EPA guidelines. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
35. The permittee shall conduct relative accuracy test audits (RATA) as specified in 40 CFR Part 75, Appendix B, at least once every two successive QA operating quarters (as defined in §72.2). Calendar quarters with less than 168 hours of operating time may be excluded in determining the RATA frequency, in which case the RATA shall be conducted at least once every eight calendar quarters. A grace period of 720 hours is provided if a RATA has not been completed by the end of the eighth calendar quarter since the quarter of the last RATA. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 75, Appendix B. [District Rule 1080 and 40 CFR Part 75, Appendix B] 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.

36. The owner or operator shall, upon written notice from the APCO, provide a summary of the data obtained from the CEM systems. This summary shall be in the form and the manner prescribed by the APCO. [District Rule 1080] Federally Enforceable Through Title V Permit
37. The owner or operator shall submit a written report of CEM operations for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include the following: Time intervals, data and magnitude of excess NOx emissions, nature and the cause of excess (if known), corrective actions taken and preventative measures adopted; Averaging period used for data reporting corresponding to the averaging period specified in the emission test period and used to determine compliance with an emissions standard; Applicable time and date of each period during which the CEM was inoperative (monitor downtime), except for zero and span checks, and the nature of system repairs and adjustments; A negative declaration when no excess emissions occurred. [40 CFR 60.334(j) and District Rule 1080] Federally Enforceable Through Title V Permit
38. Excess emissions shall be defined as any operating hour in which the 4-hour rolling average NOx concentration exceeds applicable NOx concentration limit and a period of monitor downtime shall be any unit operating hour in which sufficient data are not obtained to validate the hour for either NOx or O2 (or both). [40 CFR 60.334(j)] Federally Enforceable Through Title V Permit
39. Results of the CEM system shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3 or by other methods deemed equivalent by mutual agreement with the District, the California Air Resources Board, and the Environmental Protection Agency. [District Rule 1080] Federally Enforceable Through Title V Permit
40. The continuous monitor of fuel, water, and water-to-fuel ratio system shall be used to determine the fuel consumption and the water-to-fuel ratio necessary to comply with the NOx emissions limits at 30, 50, 75, and 100% of peak load or at four points in the normal operating range of the gas turbine, including the minimum point in the range and peak load. All loads shall be corrected to ISO conditions using the appropriate equations supplied by the manufacturer. [40 CFR 60.335(b)(2)] Federally Enforceable Through Title V Permit
41. The minimum ammonia injection rate shall be reported to the District and the injection rate shall be monitored by the operator during CEM breakdowns to demonstrate NOx emission compliance. [District Rule 2201] Federally Enforceable Through Title V Permit
42. The APCO or an authorized representative shall be allowed to inspect, as determined to be necessary, the required monitoring devices to ensure that such devices are functioning properly. [District Rule 1080] Federally Enforceable Through Title V Permit
43. The permittee shall maintain the following records: date and time, duration, and type of any startup, shutdown, or malfunction; performance testing, evaluations, calibrations, checks, adjustments, any period during which a continuous monitoring system or monitoring device was inoperative, and maintenance of any continuous emission monitor. [District Rule 4703 and 40 CFR 60.7(b)] Federally Enforceable Through Title V Permit
44. The permittee shall maintain the following records: hours of operation, fuel consumption (scf/hr and scf/rolling twelve month period), continuous emission monitor measurements, and calculated NOx mass emission rates (lb/hr). [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
45. The owner or operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520] Federally Enforceable Through Title V Permit
46. The owner or operator shall keep records of the date, time, and duration of each primary re-ignition period. [District Rule 4703] Federally Enforceable Through Title V Permit
47. The owner or operator shall maintain a stationary gas turbine system operating log that includes, on a daily basis, the actual local time start-up and stop time, length and reason for reduced load periods, total hours of operation, and type and quantity of fuel used. [District Rule 4703] Federally Enforceable Through Title V Permit
48. All records shall be maintained for a period of five years from the date of data entry, and shall be made available for District inspection upon request. [District Rule 4703] 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-14-11-18

EXPIRATION DATE: 08/31/2025

EQUIPMENT DESCRIPTION:

45 MW GENERAL ELECTRIC LM-6000PC SIMPLE CYCLE GAS TURBINE WITH SELECTIVE CATALYTIC REDUCTION AND CO OXIDATION CATALYST

PERMIT UNIT REQUIREMENTS

1. Calibration gas audit linearity checks shall be performed quarterly or every 168 stack operating hours per 40 CFR Part 75 Appendix B Section 2.2.4. [District Rule 1080] Federally Enforceable Through Title V Permit
2. {2257} Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [40 CFR 60.333(a); County Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus)] 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. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
5. This unit shall be fired exclusively on PUC-quality natural gas and the PUC-quality natural gas shall have a total sulfur content less than or equal to 1.0 gr/100 scf. [40 CFR 60.333(b) and District Rules 2201 and 4801] Federally Enforceable Through Title V Permit
6. The fuel sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, a tariff sheet or transportation contract or (ii) monitored weekly using ASTM Methods D4084, D5504, D6228, or Gas Processors Association Standard 2377. If the fuel sulfur content is less than 1.0 gr/100 scf for 8 consecutive weeks, then the monitoring frequency shall be every 6 months. If any six-month monitoring tests result in a fuel sulfur content exceedance, weekly monitoring shall resume. [40 CFR 60.334(h)(3)] Federally Enforceable Through Title V Permit
7. Gas turbine heat input shall not exceed 2,824,250 MMBtu/year based on a 12-month rolling sum. Compliance with this limit shall be determined at the end of each month. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Units subject to the Specific Limiting Condition (SLC) plan are C-14-10 and '-11. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Combined emission rate for all units subject to the SLC plan shall not exceed any of the following: 120.9 lb-PM10/day, 50.9 lb-SOx/day, 209.2 lb-NOx/day, 562.7 lb-CO/day, or 45.7 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The combined annual emissions rates for all units subject to the SLC plan shall not exceed either of the following: 48,539 lb-NOx/year or 199,889 lb-CO/year. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Gas turbine engine and generator lube oil vents shall be equipped with mist eliminators. Visible emissions from lube oil vents shall not exhibit opacity of 5% or greater except for up to three minutes in any hour. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. For each unit subject to the SLC, the permittee shall maintain all necessary records in order to show compliance with the daily and annual SLC limits, including (but not limited to) the following: 1) amount of fuel used, 2) HHV of fuel, 3) calculated daily emissions for each air contaminant emitted, and 4) daily emissions measured by CEMS. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The permittee shall apply to revise each Permit to Operate subject to the SLC when any unit subject to the SLC has a District-authorized change in daily emission rate, or Permit to Operate is surrendered or sold. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Except during transitional operation period, emission rates from the gas turbine shall not exceed any of the following: 2.0 ppmvd NO_x @ 15% O₂ (based on a 3-hour rolling average), 1.25 lb-SO_x/hr, 2.85 lb-PM₁₀/hr, 20 ppmv CO @ 15% O₂, 2 ppmv VOC @ 15% O₂, or 10 ppmv-ammonia @ 15% O₂ (based on a 1-hour rolling average). [40 CFR 60.332; and District Rules 2201, 4703, and 4102] Federally Enforceable Through Title V Permit
15. During transitional operation period, emissions rates from the gas turbine shall not exceed any of the following: 20 lb-NO_x/hr (based on a 3-hour rolling average), 1.25 lb-SO_x/hr, 2.85 lb-PM₁₀/hr, 19.40 lb-CO/hr (based on a 3-hour rolling average), 1.12 lb-VOC/hr, or 20 ppmv-ammonia @ 15% O₂ (based on a 1-hour rolling average). [District Rules 2201, 4703, and 4102] Federally Enforceable Through Title V Permit
16. Ammonia slip shall be calculated as follows: ammonia slip ppmv @ 15% O₂ = {[a-(b x c/1,000,000)] x 1,000,000/b}, where a = ammonia injection rate (lb/hr)/17 (lb/lb mol), b = dry exhaust gas flow rate (lb/hr)/29 (lb/lb mol), and c = change in measured NO_x concentration ppmv at 15% O₂ across the catalyst. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Transitional operation period shall be any of the following periods as they are define in Rule 4703: bypass transition period, primary re-ignition period, reduced load period start-up or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
18. Compliance testing to measure the NO_x (as NO₂), VOC, CO, ammonia emissions, and fuel gas sulfur content of this permit unit shall be conducted at least once every twelve months. Compliance testing may be conducted once every 24 months if the turbine operates less than 877 hours in a calendar year. A one calendar quarter grace period is provided if operation equals or exceeds 877 hours in a calendar year and compliance testing cannot be conducted within that year [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
19. Compliance testing to measure PM₁₀ emissions shall be conducted at least once every 60 months. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The following test methods shall be used. PM₁₀: EPA Method 5 (front half and back half) or EPA Method 201A/202, NO_x: EPA Method 7E or 20, CO: EPA Method 10 or 10B, O₂: EPA Method 3, 3A, or 20, VOC: EPA Method 18 or 25, ammonia: BAAQMD ST-1B, and fuel gas sulfur content: ASTM D3246. Alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. [District Rules 1081 and 4703 and 40 CFR 60.335] Federally Enforceable Through Title V Permit
21. HHV and LHV of the fuel shall be determined using ASTM D3588, ASTM 1826, or ASTM 1945. [District Rule 4703 and 40 CFR 60.332(a)(b)] Federally Enforceable Through Title V Permit
22. Any gas turbine with an intermittently operated auxiliary burner shall demonstrate compliance with the auxiliary burner both on and off. [District Rule 4703 and 40 CFR 60.335(b)(3)] 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. 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
25. For units equipped with CEM, CEM records shall be used in place of calculated emissions. [District Rule 2201] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

26. Permittee 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] Federally Enforceable Through Title V Permit
27. The District shall be notified in writing within 10 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] Federally Enforceable Through Title V Permit
28. The owner or operator shall certify, maintain, operate, and quality-assure a Continuous Emissions Monitoring System (CEMS) which continuously measures and records the exhaust gas NO_x (before and after the SCR catalyst) and O₂ concentrations. The CEMS shall be capable of monitoring emissions during startups and shutdowns, as well as during normal operating conditions. [District Rules 1080, 2201, and 4703; and 40 CFR 60.334(b)] Federally Enforceable Through Title V Permit
29. The CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. [District Rule 1080 and 40 CFR 60.334(b)(2)] Federally Enforceable Through Title V Permit
30. Results of the CEM system shall be averaged over three hour periods using consecutive 15-minute sampling periods in accordance with either EPA Method 7E or EPA Method 20 for NO_x, EPA Methods 10 or 10B for CO, or EPA Methods 3, 3A, or 20 for O₂, or, if continuous emission monitors are used, all applicable requirements of CFR 60.13. [District Rule 4703 and 40 CFR 60.13] Federally Enforceable Through Title V Permit
31. The NO_x, CO, and O₂ CEMS shall meet the requirements in 40 CFR 60, Appendix F Procedure 1 and Part 60 Appendix B Performance Specifications 2, 3, and 4A. [District Rule 1080 and 40 CFR 60.334(b)(1)] Federally Enforceable Through Title V Permit
32. The owner or operator shall maintain CEMS records that contain the following: the occurrence and duration of any start-up, shutdown, or malfunction, performance testing evaluations, calibration, checks, adjustments, maintenance, duration of any periods during which a continuous monitoring system or monitoring device is inoperative, and emissions measurements. [District Rule 1080 and 40 CFR 60.7(b)] Federally Enforceable Through Title V Permit
33. Cylinder Gas Audits of continuous emissions monitors shall be conducted quarterly, except during quarters in which relative accuracy and total accuracy testing is performed, in accordance with EPA guidelines. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
34. Permittee shall comply with all applicable source sampling requirements of District Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
35. The permittee shall conduct relative accuracy test audits (RATA) as specified in 40 CFR Part 75, Appendix B, at least once every two successive QA operating quarters (as defined in 72.2). Calendar quarters with less than 168 hours of operating time may be excluded in determining the RATA frequency, in which case the RATA shall be conducted at least once every eight calendar quarters. A grace period of 720 hours is provided if a RATA has not been completed by the end of the eighth calendar quarter since the quarter of the last RATA. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 75, Appendix B. [District Rule 1080 and 40 CFR Part 75, Appendix B] Federally Enforceable Through Title V Permit
36. The owner or operator shall, upon written notice from the APCO, provide a summary of the data obtained from the CEM systems, this summary shall be in the form and the manner prescribed by the APCO. [District Rule 1080] 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.

37. The owner or operator shall submit a written report of CEM operations for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include the following: Time intervals, data and magnitude of excess NO_x emissions, nature and the cause of excess (if known), corrective actions taken and preventative measures adopted; Averaging period used for data reporting corresponding to the averaging period specified in the emission test period and used to determine compliance with an emissions standard; Applicable time and date of each period during which the CEM was inoperative (monitor downtime), except for zero and span checks, and the nature of system repairs and adjustments; A negative declaration when no excess emissions occurred. [40 CFR 60.334(j) and District Rule 1080] Federally Enforceable Through Title V Permit
38. Excess emissions shall be defined as any operating hour in which the 4-hour rolling average NO_x concentration exceeds applicable NO_x concentration limit and a period of monitor downtime shall be any unit operating hour in which sufficient data are not obtained to validate the hour for either NO_x or O₂ (or both). [40 CFR 60.334(j)] Federally Enforceable Through Title V Permit
39. APCO or an authorized representative shall be allowed to inspect, as determined to be necessary, the required monitoring devices to ensure that such devices are functioning properly. [District Rule 1080] Federally Enforceable Through Title V Permit
40. Results of the CEM system shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3 or by other methods deemed equivalent by mutual agreement with the District, the California Air Resources Board, and the Environmental Protection Agency. [District Rule 1080] Federally Enforceable Through Title V Permit
41. In the event of a breakdown of monitoring equipment, the owner shall notify the APCO as soon as reasonably possible, but no later than eight (8) hours after its detection, unless the owner or operator demonstrates to the APCO's satisfaction that a longer reporting period was necessary, and shall initiate repairs. The owner shall inform the APCO of the intent to shut down any monitoring equipment at least 24 hours prior to the event. [District Rule 1080] Federally Enforceable Through Title V Permit
42. Permittee shall maintain records of the following: 1) the occurrence and duration of any start-up, shutdown, or malfunction in the operation of the permit unit; 2) performance testing, evaluations, calibrations, checks, adjustments, and maintenance of CEMS; and 3) emission measurements. [District Rule 1080] Federally Enforceable Through Title V Permit
43. Permittee shall maintain records of the following: 1) annual hours of operation, 2) daily and annual fuel consumption, 3) daily and annual continuous emission monitor measurements, 4) daily calculated ammonia slip, and 5) daily and annual emission rates. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
44. Permittee shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include the following: 1) time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; 2) averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; 3) applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and 4) the nature of system repairs and adjustments; 5) a negative declaration when no excess emissions occurred. [District Rule 1080] Federally Enforceable Through Title V Permit
45. Permittee shall maintain on file copies of natural gas bills. [District Rule 2201] Federally Enforceable Through Title V Permit
46. A violation of emission standards indicated by the CEM system shall be reported to the APCO within 96 hours. [District Rule 1080] Federally Enforceable Through Title V Permit
47. The minimum ammonia injection rate shall be reported to the District and the injection rate shall be monitored during CEM breakdowns to demonstrate NO_x emission compliance. [District Rule 4703] 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.

48. The permittee shall maintain the following records: date and time, duration, and type of any startup, shutdown, or malfunction; performance testing, evaluations, calibrations, checks, adjustments, any period during which a continuous monitoring system or monitoring device was inoperative, and maintenance of any continuous emission monitor. [District Rule 4703 and 40 CFR 60.7(b)] Federally Enforceable Through Title V Permit
49. The permittee shall maintain the following records: hours of operation, fuel consumption (scf/hr and scf/rolling twelve month period), continuous emission monitor measurements, and calculated NOx mass emission rates (lb/hr). [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
50. The owner or operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520] Federally Enforceable Through Title V Permit
51. The owner or operator shall keep records of the date, time, and duration of each primary re-ignition period. [District Rule 4703] Federally Enforceable Through Title V Permit
52. The owner or operator shall maintain a stationary gas turbine system operating log that includes, on a daily basis, the actual local time start-up and stop time, length and reason for reduced load periods, total hours of operation, and type and quantity of fuel used. [District Rule 4703] Federally Enforceable Through Title V Permit
53. All records shall be maintained for a period of five years from the date of data entry, and shall be made available for District inspection upon request. [District Rule 4703] Federally Enforceable Through Title V Permit
54. The owners and operators of each affected source and each affected unit at the source shall: (i) Operate the unit in compliance with a complete Acid Rain permit application or a superceding Acid Rain permit issued by the permitting authority; and (ii) Have an Acid Rain permit. [40 CFR 72] Federally Enforceable Through Title V Permit
55. The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75. [40 CFR 75] Federally Enforceable Through Title V Permit
56. The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program. [40 CFR 75] Federally Enforceable Through Title V Permit
57. The owners and operators of each source and each affected unit at the source shall: (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide. [40 CFR 73] Federally Enforceable Through Title V Permit
58. Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act. [40 CFR 77] Federally Enforceable Through Title V Permit
59. An affected unit shall be subject to the sulfur dioxide requirements starting on the later of January 1, 2000, or the deadline for monitoring certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3) that is not a substitution or compensating unit. [40 CFR 72 and 40 CFR 75] Federally Enforceable Through Title V Permit
60. Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program. [40 CFR 72] Federally Enforceable Through Title V Permit
61. An allowance shall not be deducted in order to comply with the requirements under 40 CFR part 73, prior to the calendar year for which the allowance was allocated. [40 CFR 73] Federally Enforceable Through Title V Permit
62. An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization. [40 CFR 72] 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.

63. An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right. [40 CFR 72] Federally Enforceable Through Title V Permit
64. The owners and operators of each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides. [40 CFR 72] Federally Enforceable Through Title V Permit
65. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77. [40 CFR 77] Federally Enforceable Through Title V Permit
66. The owners and operators of an affected unit that has excess emissions in any calendar year shall: (i) Pay without demand the penalty required, and pay up on demand the interest on that penalty; and (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77. [40 CFR 77] Federally Enforceable Through Title V Permit
67. The owners and operators of the each affected unit at the source shall keep on site the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority: (i) The certificate of representation for the designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site beyond such five-year period until such documents are superceded because of the submission of a new certificate of representation changing the designated representative. [40 CFR 72] Federally Enforceable Through Title V Permit
68. The owners and operators of each affected unit at the source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority; (ii) All emissions monitoring information, in accordance with 40 CFR part 75; (iii) Copies of all reports, compliance certifications and other submissions and all records made or required under the Acid Rain Program; (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission that demonstrates compliance with the requirements of the Acid Rain Program. [40 CFR 75] Federally Enforceable Through Title V Permit
69. The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 Subpart I. [40 CFR 75] Federally Enforceable Through Title V Permit

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

ATTACHMENT B

Previous Title V Operating Permits

San Joaquin Valley

Air Pollution Control District

FACILITY: C-14-0-5

EXPIRATION DATE: 08/31/2025

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; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: FRESNO COGENERATION PARTNERS
Location: 8105 S LASSEN AVE, SAN JOAQUIN, CA 93660
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10. The operator shall submit reports of any required monitoring at least every six months unless a different frequency is required by an applicable requirement. All instances of deviations from permit requirements must be clearly identified in such reports. [District Rule 2520, 9.5.1] Federally Enforceable Through Title V Permit
11. Deviations from permit conditions must be promptly reported, including deviations attributable to upset conditions, as defined in the permit. For the purpose of this condition, promptly means as soon as reasonably possible, but no later than 10 days after detection. The report shall include the probable cause of such deviations, and any corrective actions or preventive measures taken. All required reports must be certified by a responsible official consistent with section 10.0 of District Rule 2520 (6/21/01). [District Rules 2520, 9.5.2 and 1100, 7.0] Federally Enforceable Through Title V Permit
12. If for any reason a permit requirement or condition is being challenged for its constitutionality or validity by a court of competent jurisdiction, the outcome of such challenge shall not affect or invalidate the remainder of the conditions or requirements in that permit. [District Rule 2520, 9.7] Federally Enforceable Through Title V Permit
13. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. [District Rule 2520, 9.8.2] Federally Enforceable Through Title V Permit
14. The permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [District Rule 2520, 9.8.3] Federally Enforceable Through Title V Permit
15. The permit does not convey any property rights of any sort, or any exclusive privilege. [District Rule 2520, 9.8.4] Federally Enforceable Through Title V Permit
16. The Permittee shall furnish to the District, within a reasonable time, any information that the District may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the District copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to EPA along with a claim of confidentiality. [District Rule 2520, 9.8.5] Federally Enforceable Through Title V Permit
17. The permittee shall pay annual permit fees and other applicable fees as prescribed in Regulation III of the District Rules and Regulations. [District Rule 2520, 9.9] Federally Enforceable Through Title V Permit
18. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 2520, 9.13.2.1] Federally Enforceable Through Title V Permit
19. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 2520, 9.13.2.2] Federally Enforceable Through Title V Permit
20. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit. [District Rule 2520, 9.13.2.3] Federally Enforceable Through Title V Permit
21. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [District Rule 2520, 9.13.2.4] Federally Enforceable Through Title V Permit
22. No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

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

36. The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
40. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
41. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin December 20 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-14-5-7

EXPIRATION DATE: 08/31/2025

EQUIPMENT DESCRIPTION:

534 BHP (INTERMITTENT) CATERPILLAR MODEL 3406B DIESEL-FIRED EMERGENCY STANDBY IC ENGINE
POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Rule 406 (Fresno)] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed in concentration at the point of discharge 0.1 gr/dscf. [District Rule 4201] Federally Enforceable Through Title V Permit
3. 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
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801, and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 20 hours per calendar year. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. During periods of 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, oil pressure, exhaust gas temperature, etc.). [District Rule 4702] Federally Enforceable Through Title V Permit
9. 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] Federally Enforceable Through Title V Permit
10. The permittee shall maintain records of hours of emergency and non-emergency operation. Records shall include the date, the initial start-up hours, the number of hours of operation, the purpose of the operation (for example, load testing, weekly testing, rolling blackout, general area power outage, etc.), and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rules 2520 9.4.2, and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070, 2520, 9.4.2, and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

San Joaquin Valley *Air Pollution Control District*

PERMIT UNIT: C-14-10-15

EXPIRATION DATE: 08/31/2025

EQUIPMENT DESCRIPTION:

23 MW ELECTRICAL GENERATOR POWERED BY A PRATT AND WHITNEY MODEL FT4A9 GAS-FIRED, SIMPLE CYCLE TURBINE ENGINE WITH DRY LOW NOX (DLN) TECHNOLOGY OR WATER INJECTION, A SELECTIVE CATALYTIC REDUCTIONS (SCR) SYSTEM, AN OXIDATION CATALYST, AN INLET AIR EVAPORATIVE COOLER, AND LUBE OIL VENT MIST ELIMINATORS

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [40 CFR 60.333(a); County Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus)] 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. Gas turbine shall be equipped with a calibrated continuous monitoring system to measure and record hours of operation and fuel consumption. [District Rules 2201, 2520, and 4703] Federally Enforceable Through Title V Permit
5. The gas turbine engine and generator lube oil vents shall be equipped with mist eliminators. Visible emissions from lube oil vents shall not exhibit opacity of 5% or greater except for up to three minutes in any hour. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The heat input to the turbine shall not exceed 1,320,000 MMBtu/year based on a 12-month rolling sum. Compliance with this limit shall be determined at the end of each month. [District Rule 2201] Federally Enforceable Through Title V Permit
7. Units subject to the Specific Limiting Condition (SLC) plan are C-14-10 and '-11. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Combined emission rate for all units subject to the SLC plan shall not exceed any of the following: 120.9 lb-PM10/day, 50.9 lb-SOx/day, 209.2 lb-NOx/day, 562.7 lb-CO/day, or 45.7 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The combined annual emissions rates for all units subject to the SLC plan shall not exceed either of the following: 48,539 lb-NOx/year or 199,889 lb-CO/year. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The permittee shall apply to revise each Permit to Operate subject to the SLC when any unit subject to the SLC has a District-authorized change in daily emissions rate, or Permit to Operate is surrendered or sold. [District Rule 2201] Federally Enforceable Through Title V Permit
11. For each unit subject to the SLC, the permittee shall maintain all necessary records in order to show compliance with the daily and annual SLC limits, including (but not limited to) the following: 1) amount of fuel used, 2) HHV of fuel, 3) calculated daily emissions for each air contaminant emitted, 4) daily emissions measured by CEMS, 5) and calculated combined annual emissions for NOx and CO. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. This unit shall be fired exclusively on PUC-quality natural gas and the PUC-quality natural gas shall have a total sulfur content of less than or equal to 1.0 gr/100 scf. [40 CFR 60.333(b) and District Rules 2201 and 4801] Federally Enforceable Through Title V Permit
13. The fuel sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, or tariff sheet or transportation contract or (ii) monitored weekly using ASTM Methods D4084, D5504, D6228, or GAS Processors Association Standard 2377. If the fuel sulfur content is less than 1.0 gr/100 scf for 8 consecutive weeks, then the monitoring frequency shall be every 6 months. If any six-month monitoring tests result in a fuel sulfur content exceedance, weekly monitoring shall resume. [40 CFR 60.334(h)(3)] Federally Enforceable Through Title V Permit
14. Except during transitional operation period, emission rates from the gas turbine shall not exceed any of the following: PM10: 2.22 lb/hr, SO_x (as SO₂): 0.98 lb/hr, NO_x (as NO₂): 5.0 ppmvd @ 15% O₂ and 6.20 lb/hr (based on a 3-hour average), VOC: 2.0 ppmvd @ 15% O₂ and 0.88 lb/hr, CO: 12.0 ppmvd @ 15% O₂ and 8.07 lb/hr (based on a 3-hour rolling average), or ammonia: 10 ppmvd @ 15% O₂ (based on a 1-hour rolling average). [District Rules 2201, 4102, and 4703; and 40 CFR Part 60 Subpart GG] Federally Enforceable Through Title V Permit
15. During transitional operation period, emission rates from the gas turbine shall not exceed any of the following: PM10: 2.22 lb/hr, SO_x (as SO₂): 0.98 lb/hr, NO_x (as NO₂): 20 lb/hr (based on a 3-hour rolling average), VOC: 0.88 lb/hr, CO: 8.07 lb/r (based on a 3-hour rolling average), or ammonia: 20 ppmvd @ 15% O₂ (based on a 1-hour rolling average). [District Rules 2201, 4102, and 4703] Federally Enforceable Through Title V Permit
16. Transitional operation period shall be any of the following periods as they are define in Rule 4703: bypass transition period, primary re-ignition period, reduced load period start-up or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
17. Permittee 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] Federally Enforceable Through Title V Permit
18. In the event of a breakdown of monitoring equipment, the owner shall notify the APCO as soon as reasonably possible, but no later than eight (8) hours after its detection, unless the owner or operator demonstrates to the APCO's satisfaction that a longer reporting period was necessary, and shall initiate repairs. The owner shall inform the APCO of the intent to shut down any monitoring equipment at least 24 hours prior to the event. [District Rule 1080] Federally Enforceable Through Title V Permit
19. A violation of emissions standards indicated by the CEM system shall be reported to the APCO within 96 hours. [District Rule 1080] Federally Enforceable Through Title V Permit
20. 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] Federally Enforceable Through Title V Permit
21. Compliance with the ammonia slip limit shall be demonstrated by using the following calculation procedure: ammonia slip ppmv @ 15% O₂ = ((a-(bxc/1,000,000)) x 1,000,000/b), where a = ammonia injection rate (lb/hr)/17 lb/lb.mol, b = dry exhaust gas flow rate (lb/hr)/29(lb/lb.mol), and c = change in measure NO_x concentration ppmv @ 15% O₂ across catalyst. [District Rule 2201] Federally Enforceable Through Title V Permit
22. Compliance testing to measure the NO_x (as NO₂), VOC, CO, ammonia emissions, and fuel gas sulfur content of this permit unit shall be conducted at least once every twelve months. Compliance testing may be conducted once every 24 months if the turbine operates less than 877 hours in a calendar year. A one calendar quarter grace period is provided if operation equals or exceeds 877 hours in a calendar year and compliance testing cannot be conducted within that year [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
23. Compliance testing to measure PM10 emissions shall be conducted at least once every 60 months. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

24. The following test methods shall be used. PM10: EPA Method 5 (front half and back half), NOx: EPA Method 7E or 20, CO: EPA Method 10 or 10B, O2: EPA Method 3, 3A, or 20, VOC: EPA Method 18 or 25, ammonia: BAAQMD ST-1B, and fuel gas sulfur content: ASTM D3246. Alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. [District Rules 1081 and 4703; and 40 CFR 60.335] Federally Enforceable Through Title V Permit
25. HHV and LHV of the fuel shall be determined using ASTM D3588, ASTM 1826, or ASTM 1945. [40 CFR 60.332(a),(b) and District Rule 4703, 6.4.5] Federally Enforceable Through Title V Permit
26. Permittee shall comply with all applicable source sampling requirements of District Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
27. The exhaust stack shall be equipped with permanent provisions to allow collection of stack gas samples consistent with EPA test methods and shall be equipped with safe permanent provisions to sample stack gases with a portable NOx, CO, and O2 analyzer during District inspections. [District Rule 1081] Federally Enforceable Through Title V Permit
28. Compliance demonstration (source testing) shall be District witnessed, or authorized and the samples shall be collected by a California Air Resources Board certified testing laboratory. The District must be notified 30 days prior to any compliance source test, and a source test plan must be submitted for approval 15 days prior to testing. The results of each source test shall be submitted to the District within 60 days of source testing. [District Rule 1081] Federally Enforceable Through Title V Permit
29. The owner or operator shall certify, maintain, operate, and quality-assure a Continuous Emissions Monitoring System (CEMS) which continuously measures and records the exhaust gas NOx (before and after the SCR catalyst), CO, and O2 concentrations. The CEMS shall be capable of monitoring emissions during startups and shutdowns, as well as during normal operating conditions. [District Rules 1080, 2201, and 4703; and 40 CFR 60.334(b)] Federally Enforceable Through Title V Permit
30. The CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. [40 CFR 60.334(b)(2) and District Rule 1080] Federally Enforceable Through Title V Permit
31. Results of the CEM system shall be averaged over three hour periods using consecutive 15-minute sampling periods in accordance with either EPA Method 7E or EPA Method 20 for NOx, EPA Methods 10 or 10B for CO, or EPA Methods 3, 3A, or 20 for O2, or all applicable requirements of CFR 60.13. [40 CFR 60.13 and District Rule 4703 5.1, 6.4] Federally Enforceable Through Title V Permit
32. The NOx, CO, and O2 CEMS shall meet the requirements in 40 CFR 60, Appendix F Procedure 1 and Part 60 Appendix B Performance Specifications 2 and 3. [40 CFR 60.334(b)(1) and District Rule 1080] Federally Enforceable Through Title V Permit
33. The owner or operator shall maintain CEMS records that contain the following: the occurrence and duration of any start-up, shutdown, or malfunction, performance testing evaluations, calibration, checks, adjustments, maintenance, duration of any periods during which a continuous monitoring system or monitoring device is inoperative, and emissions measurements. [40 CFR 60.7(b) and District Rule 1080] Federally Enforceable Through Title V Permit
34. Cylinder Gas Audits of continuous emissions monitors shall be conducted quarterly, except during quarters in which relative accuracy and total accuracy testing is performed, in accordance with EPA guidelines. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
35. The permittee shall conduct relative accuracy test audits (RATA) as specified in 40 CFR Part 75, Appendix B, at least once every two successive QA operating quarters (as defined in §72.2). Calendar quarters with less than 168 hours of operating time may be excluded in determining the RATA frequency, in which case the RATA shall be conducted at least once every eight calendar quarters. A grace period of 720 hours is provided if a RATA has not been completed by the end of the eighth calendar quarter since the quarter of the last RATA. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 75, Appendix B. [District Rule 1080 and 40 CFR Part 75, Appendix B] 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.

36. The owner or operator shall, upon written notice from the APCO, provide a summary of the data obtained from the CEM systems. This summary shall be in the form and the manner prescribed by the APCO. [District Rule 1080] Federally Enforceable Through Title V Permit
37. The owner or operator shall submit a written report of CEM operations for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include the following: Time intervals, data and magnitude of excess NOx emissions, nature and the cause of excess (if known), corrective actions taken and preventative measures adopted; Averaging period used for data reporting corresponding to the averaging period specified in the emission test period and used to determine compliance with an emissions standard; Applicable time and date of each period during which the CEM was inoperative (monitor downtime), except for zero and span checks, and the nature of system repairs and adjustments; A negative declaration when no excess emissions occurred. [40 CFR 60.334(j) and District Rule 1080] Federally Enforceable Through Title V Permit
38. Excess emissions shall be defined as any operating hour in which the 4-hour rolling average NOx concentration exceeds applicable NOx concentration limit and a period of monitor downtime shall be any unit operating hour in which sufficient data are not obtained to validate the hour for either NOx or O2 (or both). [40 CFR 60.334(j)] Federally Enforceable Through Title V Permit
39. Results of the CEM system shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3 or by other methods deemed equivalent by mutual agreement with the District, the California Air Resources Board, and the Environmental Protection Agency. [District Rule 1080] Federally Enforceable Through Title V Permit
40. The continuous monitor of fuel, water, and water-to-fuel ratio system shall be used to determine the fuel consumption and the water-to-fuel ratio necessary to comply with the NOx emissions limits at 30, 50, 75, and 100% of peak load or at four points in the normal operating range of the gas turbine, including the minimum point in the range and peak load. All loads shall be corrected to ISO conditions using the appropriate equations supplied by the manufacturer. [40 CFR 60.335(b)(2)] Federally Enforceable Through Title V Permit
41. The minimum ammonia injection rate shall be reported to the District and the injection rate shall be monitored by the operator during CEM breakdowns to demonstrate NOx emission compliance. [District Rule 2201] Federally Enforceable Through Title V Permit
42. The APCO or an authorized representative shall be allowed to inspect, as determined to be necessary, the required monitoring devices to ensure that such devices are functioning properly. [District Rule 1080] Federally Enforceable Through Title V Permit
43. The permittee shall maintain the following records: date and time, duration, and type of any startup, shutdown, or malfunction; performance testing, evaluations, calibrations, checks, adjustments, any period during which a continuous monitoring system or monitoring device was inoperative, and maintenance of any continuous emission monitor. [District Rule 4703 and 40 CFR 60.7(b)] Federally Enforceable Through Title V Permit
44. The permittee shall maintain the following records: hours of operation, fuel consumption (scf/hr and scf/rolling twelve month period), continuous emission monitor measurements, and calculated NOx mass emission rates (lb/hr). [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
45. The owner or operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520] Federally Enforceable Through Title V Permit
46. The owner or operator shall keep records of the date, time, and duration of each primary re-ignition period. [District Rule 4703] Federally Enforceable Through Title V Permit
47. The owner or operator shall maintain a stationary gas turbine system operating log that includes, on a daily basis, the actual local time start-up and stop time, length and reason for reduced load periods, total hours of operation, and type and quantity of fuel used. [District Rule 4703] Federally Enforceable Through Title V Permit
48. All records shall be maintained for a period of five years from the date of data entry, and shall be made available for District inspection upon request. [District Rule 4703] 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-14-11-17

EXPIRATION DATE: 08/31/2025

EQUIPMENT DESCRIPTION:

45 MW GENERAL ELECTRIC LM-6000PC SIMPLE CYCLE GAS TURBINE WITH SELECTIVE CATALYTIC REDUCTION AND CO OXIDATION CATALYST

PERMIT UNIT REQUIREMENTS

1. Calibration gas audit linearity checks shall be performed quarterly or every 168 stack operating hours per 40 CFR Part 75 Appendix B Section 2.2.4. [District Rule 1080] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2,000 ppmv, on a dry basis averaged over 15 consecutive minutes. [40 CFR 60.333(a); County Rules 404 (Madera), 406 (Fresno), and 407 (Kings, Merced, San Joaquin, Tulare, Kern, and Stanislaus)] Federally Enforceable Through Title V Permit
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
4. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
5. This unit shall be fired exclusively on PUC-quality natural gas and the PUC-quality natural gas shall have a total sulfur content less than or equal to 1.0 gr/100 scf. [40 CFR 60.333(b) and District Rules 2201 and 4801] Federally Enforceable Through Title V Permit
6. The fuel sulfur content of each fuel source shall be: (i) documented in a valid purchase contract, a supplier certification, a tariff sheet or transportation contract or (ii) monitored weekly using ASTM Methods D4084, D5504, D6228, or Gas Processors Association Standard 2377. If the fuel sulfur content is less than 1.0 gr/100 scf for 8 consecutive weeks, then the monitoring frequency shall be every 6 months. If any six-month monitoring tests result in a fuel sulfur content exceedance, weekly monitoring shall resume. [40 CFR 60.334(h)(3)] Federally Enforceable Through Title V Permit
7. Gas turbine heat input shall not exceed 2,824,250 MMBtu/year based on a 12-month rolling sum. Compliance with this limit shall be determined at the end of each month. [District Rule 2201] Federally Enforceable Through Title V Permit
8. Units subject to the Specific Limiting Condition (SLC) plan are C-14-10 and '-11. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Combined emission rate for all units subject to the SLC plan shall not exceed any of the following: 120.9 lb-PM10/day, 50.9 lb-SOx/day, 209.2 lb-NOx/day, 562.7 lb-CO/day, or 45.7 lb-VOC/day. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The combined annual emissions rates for all units subject to the SLC plan shall not exceed either of the following: 48,539 lb-NOx/year or 199,889 lb-CO/year. [District Rule 2201] Federally Enforceable Through Title V Permit
11. Gas turbine engine and generator lube oil vents shall be equipped with mist eliminators. Visible emissions from lube oil vents shall not exhibit opacity of 5% or greater except for up to three minutes in any hour. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. For each unit subject to the SLC, the permittee shall maintain all necessary records in order to show compliance with the daily and annual SLC limits, including (but not limited to) the following: 1) amount of fuel used, 2) HHV of fuel, 3) calculated daily emissions for each air contaminant emitted, and 4) daily emissions measured by CEMS. [District Rule 2201] Federally Enforceable Through Title V Permit
13. The permittee shall apply to revise each Permit to Operate subject to the SLC when any unit subject to the SLC has a District-authorized change in daily emission rate, or Permit to Operate is surrendered or sold. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Except during transitional operation period, emission rates from the gas turbine shall not exceed any of the following: 2.0 ppmvd NO_x @ 15% O₂ (based on a 3-hour rolling average), 1.25 lb-SO_x/hr, 2.85 lb-PM₁₀/hr, 20 ppmv CO @ 15% O₂, 2 ppmv VOC @ 15% O₂, or 10 ppmv-ammonia @ 15% O₂ (based on a 1-hour rolling average). [40 CFR 60.332; and District Rules 2201, 4703, and 4102] Federally Enforceable Through Title V Permit
15. During transitional operation period, emissions rates from the gas turbine shall not exceed any of the following: 20 lb-NO_x/hr (based on a 3-hour rolling average), 1.25 lb-SO_x/hr, 2.85 lb-PM₁₀/hr, 19.40 lb-CO/hr (based on a 3-hour rolling average), 1.12 lb-VOC/hr, or 20 ppmv-ammonia @ 15% O₂ (based on a 1-hour rolling average). [District Rules 2201, 4703, and 4102] Federally Enforceable Through Title V Permit
16. Ammonia slip shall be calculated as follows: ammonia slip ppmv @ 15% O₂ = {[a-(b x c/1,000,000)] x 1,000,000/b}, where a = ammonia injection rate (lb/hr)/17 (lb/lb mol), b = dry exhaust gas flow rate (lb/hr)/29 (lb/lb mol), and c = change in measured NO_x concentration ppmv at 15% O₂ across the catalyst. [District Rule 2201] Federally Enforceable Through Title V Permit
17. Transitional operation period shall be any of the following periods as they are define in Rule 4703: bypass transition period, primary re-ignition period, reduced load period start-up or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
18. Compliance testing to measure the NO_x (as NO₂), VOC, CO, ammonia emissions, and fuel gas sulfur content of this permit unit shall be conducted at least once every twelve months. Compliance testing may be conducted once every 24 months if the turbine operates less than 877 hours in a calendar year. A one calendar quarter grace period is provided if operation equals or exceeds 877 hours in a calendar year and compliance testing cannot be conducted within that year [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
19. Compliance testing to measure PM₁₀ emissions shall be conducted at least once every 60 months. [District Rule 2201] Federally Enforceable Through Title V Permit
20. The following test methods shall be used. PM₁₀: EPA Method 5 (front half and back half) or EPA Method 201A/202, NO_x: EPA Method 7E or 20, CO: EPA Method 10 or 10B, O₂: EPA Method 3, 3A, or 20, VOC: EPA Method 18 or 25, ammonia: BAAQMD ST-1B, and fuel gas sulfur content: ASTM D3246. Alternative test methods as approved by the District may also be used to address the source testing requirements of this permit. [District Rules 1081 and 4703 and 40 CFR 60.335] Federally Enforceable Through Title V Permit
21. HHV and LHV of the fuel shall be determined using ASTM D3588, ASTM 1826, or ASTM 1945. [District Rule 4703 and 40 CFR 60.332(a)(b)] Federally Enforceable Through Title V Permit
22. Any gas turbine with an intermittently operated auxiliary burner shall demonstrate compliance with the auxiliary burner both on and off. [District Rule 4703 and 40 CFR 60.335(b)(3)] 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. 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
25. For units equipped with CEM, CEM records shall be used in place of calculated emissions. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

26. Permittee 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] Federally Enforceable Through Title V Permit
27. The District shall be notified in writing within 10 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] Federally Enforceable Through Title V Permit
28. The owner or operator shall certify, maintain, operate, and quality-assure a Continuous Emissions Monitoring System (CEMS) which continuously measures and records the exhaust gas NO_x (before and after the SCR catalyst) and O₂ concentrations. The CEMS shall be capable of monitoring emissions during startups and shutdowns, as well as during normal operating conditions. [District Rules 1080, 2201, and 4703; and 40 CFR 60.334(b)] Federally Enforceable Through Title V Permit
29. The CEMS shall complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. [District Rule 1080 and 40 CFR 60.334(b)(2)] Federally Enforceable Through Title V Permit
30. Results of the CEM system shall be averaged over three hour periods using consecutive 15-minute sampling periods in accordance with either EPA Method 7E or EPA Method 20 for NO_x, EPA Methods 10 or 10B for CO, or EPA Methods 3, 3A, or 20 for SO₂, or, if continuous emission monitors are used, all applicable requirements of CFR 60.13. [District Rule 4703 and 40 CFR 60.13] Federally Enforceable Through Title V Permit
31. The NO_x, CO, and O₂ CEMS shall meet the requirements in 40 CFR 60, Appendix F Procedure 1 and Part 60 Appendix B Performance Specifications 2, 3, and 4A. [District Rule 1080 and 40 CFR 60.334(b)(1)] Federally Enforceable Through Title V Permit
32. The owner or operator shall maintain CEMS records that contain the following: the occurrence and duration of any start-up, shutdown, or malfunction, performance testing evaluations, calibration, checks, adjustments, maintenance, duration of any periods during which a continuous monitoring system or monitoring device is inoperative, and emissions measurements. [District Rule 1080 and 40 CFR 60.7(b)] Federally Enforceable Through Title V Permit
33. Cylinder Gas Audits of continuous emissions monitors shall be conducted quarterly, except during quarters in which relative accuracy and total accuracy testing is performed, in accordance with EPA guidelines. The District shall be notified prior to completion of the audits. Audit reports shall be submitted along with quarterly compliance reports to the District. [District Rule 1080] Federally Enforceable Through Title V Permit
34. Permittee shall comply with all applicable source sampling requirements of District Rule 1081. [District Rule 1081] Federally Enforceable Through Title V Permit
35. The permittee shall conduct relative accuracy test audits (RATA) as specified in 40 CFR Part 75, Appendix B, at least once every two successive QA operating quarters (as defined in §72.2). Calendar quarters with less than 168 hours of operating time may be excluded in determining the RATA frequency, in which case the RATA shall be conducted at least once every eight calendar quarters. A grace period of 720 hours is provided if a RATA has not been completed by the end of the eighth calendar quarter since the quarter of the last RATA. The permittee shall comply with the applicable requirements for quality assurance testing and maintenance of the continuous emission monitor equipment in accordance with the procedures and guidance specified in 40 CFR Part 75, Appendix B. [District Rule 1080 and 40 CFR Part 75, Appendix B] Federally Enforceable Through Title V Permit
36. The owner or operator shall, upon written notice from the APCO, provide a summary of the data obtained from the CEM systems, this summary shall be in the form and the manner prescribed by the APCO. [District Rule 1080] 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.

37. The owner or operator shall submit a written report of CEM operations for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include the following: Time intervals, data and magnitude of excess NO_x emissions, nature and the cause of excess (if known), corrective actions taken and preventative measures adopted; Averaging period used for data reporting corresponding to the averaging period specified in the emission test period and used to determine compliance with an emissions standard; Applicable time and date of each period during which the CEM was inoperative (monitor downtime), except for zero and span checks, and the nature of system repairs and adjustments; A negative declaration when no excess emissions occurred. [40 CFR 60.334(j) and District Rule 1080] Federally Enforceable Through Title V Permit
38. Excess emissions shall be defined as any operating hour in which the 4-hour rolling average NO_x concentration exceeds applicable NO_x concentration limit and a period of monitor downtime shall be any unit operating hour in which sufficient data are not obtained to validate the hour for either NO_x or O₂ (or both). [40 CFR 60.334(j)] Federally Enforceable Through Title V Permit
39. APCO or an authorized representative shall be allowed to inspect, as determined to be necessary, the required monitoring devices to ensure that such devices are functioning properly. [District Rule 1080] Federally Enforceable Through Title V Permit
40. Results of the CEM system shall be reduced according to the procedure established in 40 CFR, Part 51, Appendix P, paragraphs 5.0 through 5.3.3 or by other methods deemed equivalent by mutual agreement with the District, the California Air Resources Board, and the Environmental Protection Agency. [District Rule 1080] Federally Enforceable Through Title V Permit
41. In the event of a breakdown of monitoring equipment, the owner shall notify the APCO as soon as reasonably possible, but no later than eight (8) hours after its detection, unless the owner or operator demonstrates to the APCO's satisfaction that a longer reporting period was necessary, and shall initiate repairs. The owner shall inform the APCO of the intent to shut down any monitoring equipment at least 24 hours prior to the event. [District Rule 1080] Federally Enforceable Through Title V Permit
42. Permittee shall maintain records of the following: 1) the occurrence and duration of any start-up, shutdown, or malfunction in the operation of the permit unit; 2) performance testing, evaluations, calibrations, checks, adjustments, and maintenance of CEMS; and 3) emission measurements. [District Rule 1080] Federally Enforceable Through Title V Permit
43. Permittee shall maintain records of the following: 1) annual hours of operation, 2) daily and annual fuel consumption, 3) daily and annual continuous emission monitor measurements, 4) daily calculated ammonia slip, and 5) daily and annual emission rates. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
44. Permittee shall submit a written report for each calendar quarter to the APCO. The report is due on the 30th day following the end of the calendar quarter and shall include the following: 1) time intervals, data and magnitude of excess emissions, nature and cause of excess (if known), corrective actions taken and preventive measures adopted; 2) averaging period used for data reporting corresponding to the averaging period specified in the emission test period used to determine compliance with an emission standard; 3) applicable time and date of each period during which the CEM was inoperative (except for zero and span checks) and 4) the nature of system repairs and adjustments; 5) a negative declaration when no excess emissions occurred. [District Rule 1080] Federally Enforceable Through Title V Permit
45. Permittee shall maintain on file copies of natural gas bills. [District Rule 2201] Federally Enforceable Through Title V Permit
46. A violation of emission standards indicated by the CEM system shall be reported to the APCO within 96 hours. [District Rule 1080] Federally Enforceable Through Title V Permit
47. The minimum ammonia injection rate shall be reported to the District and the injection rate shall be monitored during CEM breakdowns to demonstrate NO_x emission compliance. [District Rule 4703] 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.

48. The permittee shall maintain the following records: date and time, duration, and type of any startup, shutdown, or malfunction; performance testing, evaluations, calibrations, checks, adjustments, any period during which a continuous monitoring system or monitoring device was inoperative, and maintenance of any continuous emission monitor. [District Rule 4703 and 40 CFR 60.7(b)] Federally Enforceable Through Title V Permit
49. The permittee shall maintain the following records: hours of operation, fuel consumption (scf/hr and scf/rolling twelve month period), continuous emission monitor measurements, and calculated NOx mass emission rates (lb/hr). [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
50. The owner or operator of a stationary gas turbine system shall maintain all records of required monitoring data and support information for inspection at any time for a period of five years. [District Rule 2520] Federally Enforceable Through Title V Permit
51. The owner or operator shall keep records of the date, time, and duration of each primary re-ignition period. [District Rule 4703] Federally Enforceable Through Title V Permit
52. The owner or operator shall maintain a stationary gas turbine system operating log that includes, on a daily basis, the actual local time start-up and stop time, length and reason for reduced load periods, total hours of operation, and type and quantity of fuel used. [District Rule 4703] Federally Enforceable Through Title V Permit
53. All records shall be maintained for a period of five years from the date of data entry, and shall be made available for District inspection upon request. [District Rule 4703] Federally Enforceable Through Title V Permit
54. The owners and operators of each affected source and each affected unit at the source shall: (i) Operate the unit in compliance with a complete Acid Rain permit application or a superceding Acid Rain permit issued by the permitting authority; and (ii) Have an Acid Rain permit. [40 CFR 72] Federally Enforceable Through Title V Permit
55. The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75. [40 CFR 75] Federally Enforceable Through Title V Permit
56. The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program. [40 CFR 75] Federally Enforceable Through Title V Permit
57. The owners and operators of each source and each affected unit at the source shall: (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide. [40 CFR 73] Federally Enforceable Through Title V Permit
58. Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act. [40 CFR 77] Federally Enforceable Through Title V Permit
59. An affected unit shall be subject to the sulfur dioxide requirements starting on the later of January 1, 2000, or the deadline for monitoring certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3) that is not a substitution or compensating unit. [40 CFR 72 and 40 CFR 75] Federally Enforceable Through Title V Permit
60. Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program. [40 CFR 72] Federally Enforceable Through Title V Permit
61. An allowance shall not be deducted in order to comply with the requirements under 40 CFR part 73, prior to the calendar year for which the allowance was allocated. [40 CFR 73] Federally Enforceable Through Title V Permit
62. An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization. [40 CFR 72] 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.

63. An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right. [40 CFR 72] Federally Enforceable Through Title V Permit
64. The owners and operators of each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides. [40 CFR 72] Federally Enforceable Through Title V Permit
65. The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77. [40 CFR 77] Federally Enforceable Through Title V Permit
66. The owners and operators of an affected unit that has excess emissions in any calendar year shall: (i) Pay without demand the penalty required, and pay up on demand the interest on that penalty; and (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77. [40 CFR 77] Federally Enforceable Through Title V Permit
67. The owners and operators of the each affected unit at the source shall keep on site the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority: (i) The certificate of representation for the designated representative for the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24; provided that the certificate and documents shall be retained on site beyond such five-year period until such documents are superceded because of the submission of a new certificate of representation changing the designated representative. [40 CFR 72] Federally Enforceable Through Title V Permit
68. The owners and operators of each affected unit at the source shall keep on site each of the following documents for a period of five years from the date the document is created. This period may be extended for cause, at any time prior to the end of five years, in writing by the Administrator or permitting authority; (ii) All emissions monitoring information, in accordance with 40 CFR part 75; (iii) Copies of all reports, compliance certifications and other submissions and all records made or required under the Acid Rain Program; (iv) Copies of all documents used to complete an Acid Rain permit application and any other submission that demonstrates compliance with the requirements of the Acid Rain Program. [40 CFR 75] Federally Enforceable Through Title V Permit
69. The designated representative of an affected source and each affected unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 Subpart I. [40 CFR 75] Federally Enforceable Through Title V Permit

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

ATTACHMENT C

Potential to Emit – HAP Emissions

Major HAP Source Determination

A major source of HAP emissions is a contiguous site under common control 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, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

This determination makes use of 2024 actual emissions at C-14 as evaluated in emission inventory project C-1250967. As shown in the table below, the total HAP emissions were 0.00 tons. Conservatively assuming that this facility operated at only 50% of their permitted potential capacity in 2024, it can be estimated that the potential HAP emissions do not exceed 1 ton of HAP. Therefore, it is determined that this facility is not a major source of HAP emissions.

Inventory Year 2024 HAP Emissions

Facility #	C-14	Total HAP	
Emission Inventory Project #	C-1250967		
HAP Emission	lb/yr	tons/yr	
1,3-Butadiene	1.61E-02	0.00	
Acetaldehyde	1.49E+00	0.00	
Acrolein	2.39E-01	0.00	
Benzene	3.40E-02	0.00	
Diesel engine exhaust, particulate matter	0.00E+00	0.00	
Ethyl benzene	1.19E+00	0.00	
Formaldehyde	7.47E-01	0.00	
Naphthalene	4.85E-02	0.00	
PAHs, total, with individ. components also reported	8.21E-02	0.00	
Propylene oxide	1.08E-02	0.00	
Toluene	4.85E+00	0.00	
Xylenes (mixed)	2.39E+00	0.00	
		Total	0.00
		tons/yr	

ATTACHMENT D

Detailed Summary List of Facility Permits

Detailed Facility Report

For Facility=14 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

FRESNO COGENERATION PARTNERS 8105 S LASSEN AVE SAN JOAQUIN, CA 93660	Fac #: C-14 Status: A Phone: 2096932494	Type: TitleV Toxic ID: 40000	Expiration: 8/31/2025 Area: 2 / Insp. Date: 11/25
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Permit #	Fee Description	Fee Rule	Fee Amount	Permit Status	Equipment Description
5-7	534 bhp IC engine	3020-10 D	624.00	A	534 BHP (INTERMITTENT) CATERPILLAR MODEL 3406B DIESEL-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR
10-15	23,000 kW Electrical Generator	3020-08A F	10,588.00	A	23 MW ELECTRICAL GENERATOR POWERED BY A PRATT AND WHITNEY MODEL FT4A9 GAS-FIRED, SIMPLE CYCLE TURBINE ENGINE WITH DRY LOW NOX (DLN) TECHNOLOGY OR WATER INJECTION, A SELECTIVE CATALYTIC REDUCTIONS (SCR) SYSTEM, AN OXIDATION CATALYST, AN INLET AIR EVAPORATIVE COOLER, AND LUBE OIL VENT MIST ELIMINATORS
11-17	45,000 kW	3020-08B G	13,235.00	A	45 MW GENERAL ELECTRIC LM-6000PC SIMPLE CYCLE GAS TURBINE WITH SELECTIVE CATALYTIC REDUCTION AND CO OXIDATION CATALYST

Number of Facilities Reported: 1