

March 2, 2026

Mr. Michael Tehada
Turlock Irrigation District
PO Box 949
Turlock, CA 95381

Re: Notice of Preliminary Decision – Title V Permit Renewal
Facility Number: N-2246
Project Number: N-1244671

Dear Mr. Tehada:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Turlock Irrigation District at 325 S Washington Rd in Turlock, California.

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

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

Sincerely,



Brian Clements
Director of Permit Services

Enclosures

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

Samir Sheikh
Executive Director/Air Pollution Control Officer

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

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

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

**SAN JOAQUIN VALLEY
AIR POLLUTION CONTROL DISTRICT**

**Proposed Title V Permit Renewal Evaluation
Turlock Irrigation District
N-2246**

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.....	6
VIII.	PERMIT REQUIREMENTS	7
IX.	PERMIT SHIELD.....	19
X.	CALIFORNIA ENVIRONMENTAL QUALITY ACT	20
XI.	PERMIT CONDITIONS	20
	ATTACHMENTS	20
A.	DRAFT RENEWED TITLE V OPERATING PERMIT	
B.	PREVIOUS TITLE V OPERATING PERMIT	
C.	DETAILED SUMMARY LIST OF FACILITY PERMITS	

TITLE V PERMIT RENEWAL EVALUATION

Power Generation Facility

Engineer: George Avila
Date: March 2, 2026

Facility Number: N-2246
Facility Name: Turlock Irrigation District
Mailing Address: PO Box 949
Turlock, CA 95381

Contact Name: Michael A. Tehada
Phone: (209) 883-3455

Responsible Official: Michael A. Tehada
Title: Combustion Turbine Department Manager

Project # : N-1244671
Deemed Complete: January 2, 2025

I. PROPOSAL

Turlock Irrigation District was issued a renewed Title V permit on June 30, 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 Title V permit was last renewed.

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

Turlock Irrigation District is located at 325 S Washington Rd in Turlock, CA.

III. EQUIPMENT LISTING

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

IV. GENERAL PERMIT TEMPLATE USAGE

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

V. SCOPE OF EPA AND PUBLIC REVIEW

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

VI. FEDERALLY ENFORCEABLE REQUIREMENTS

A. Rules Updated or Evaluated

- District Rule 2020, Exemptions, (amended December 18, 2014)
- District Rule 2201, New and Modified Stationary Source Review Rule (amended August 18, 2019– SIP version ⇒ amended April 20, 2023 – non-SIP version)
- District Rule 2520, Federally Mandated Operating Permits (amended June 20, 2024)
- District Rule 4601, Architectural Coatings (amended April 16, 2020)
- District Rule 4702, Internal Combustion Engines (amended November 14, 2013 – SIP version ⇒ amended August 19, 2021 – non-SIP version)
- District Rule 8051, Open Areas (amended September 21, 2023)
- 40 CFR Part 60, Subpart JJJJ, Standards of Performance of Stationary Spark Ignition Internal Combustion Engines (amended August 30, 2024)
- 40 CFR Part 63, Subpart YYYY, National Emission 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 August 30, 2024)

- 40 CFR Part 64, Compliance Assurance Monitoring (amended October 22, 1997)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended March 24, 2021)
- 40 CFR Part 82, Subpart F, Recycling and Emissions Reduction (amended July 15, 2024)

B. Rules Removed

- Merced County Rule 109, Equipment Breakdown (SIP approved June 18, 1982)
- San Joaquin County Rule 110, Equipment Breakdown (SIP approved December 5, 1984)
- Fresno County Rule 110, Equipment Breakdown (SIP approved August 22, 1977 ⇒ Rescinded from the SIP March 28, 2024)
- Stanislaus County Rule 110, Equipment Breakdown (SIP approved June 1, 1983 ⇒ Rescinded from the SIP March 28, 2024)
- Kern County Rule 111, Equipment Breakdown (SIP approved October 24, 1980 ⇒ Rescinded from the SIP March 28, 2024)
- Kings County Rule 111, Equipment Breakdown (SIP approved, last amended June 18, 1982 ⇒ Rescinded from the SIP March 28, 2024)
- Tulare County Rule 111, Equipment Breakdown (SIP approved August 22, 1977 ⇒ Rescinded from the SIP March 28, 2024)
- Madera County Rule 113, Equipment Breakdown (SIP approved November 18, 1983 ⇒ Rescinded from the SIP March 28, 2024)
- District Rule 2040, Applications (amended December 17, 1992)

C. Rules Added

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

D. Rules Not Updated

- District Rule 1070, Inspections (amended December 17, 1992)

- District Rule 1080, Stack Monitoring (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 1160, Emission Statements (adopted November 18, 1992)
- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 2040, Applications (amended December 17, 1992)
- District Rule 2070, Standards for Granting Applications (amended December 17, 1992)
- District Rule 2080, Conditional Approval (amended December 17, 1992)
- District Rule 2410, Prevention of Significant Deterioration (adopted June 16, 2011)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4202, Particulate Matter – Emission Rate (amended December 17, 1992)
- District Rule 4701, Internal Combustion Engines – Phase 1 (amended August 21, 2003)
- District Rule 4703, Stationary Gas Turbines (amended September 20, 2007)
- District Rule 8011, General Requirements (amended August 19, 2004)
- District Rule 8021, Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities (amended August 19, 2004)
- District Rule 8031, Bulk Materials (amended August 19, 2004)
- District Rule 8041, Carryout and Trackout (amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)

- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (amended September 16, 2004)
- 40 CFR Part 60, Subpart 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 October 7, 2020)
- 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos (amended July 20, 2004)

VII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

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

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

A. Rules Added/Updated

- District Rule 2040, Applications (amended December 17, 1992, adopted into the SIP September 21, 1999 ⇒ rescinded from the SIP December 16, 2004)

District Rule 2040 was adopted into the State Implementation Plan (SIP) September 21, 1999.¹ However, effective December 16, 2004², 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, which were deemed not relevant to the SIP. However, the current facility-wide permit, condition #7, indicates Rule 2040 is federally enforceable. Therefore, the federal enforceability designation will be removed from condition #7 on the proposed facility-wide permit:

- 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~~

¹ <https://www.govinfo.gov/content/pkg/FR-1999-07-23/pdf/FR-1999-07-23.pdf>

² <https://www.federalregister.gov/documents/2004/11/16/04-25398/corrections-to-the-california-state-implementation-plan>

B. Rules Not Updated

- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 4102, Nuisance (amended December 17, 1992)
- District Rule 4801, Sulfur Compounds (amended December 17, 1992)

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

On March 28, 2024, the EPA took final action to rescind Fresno County Rule 110, Stanislaus County Rule 110, Kern County Rule 111, Kings County Rule 111, Tulare County Rule 111, and Madera County Rule 113 from the District's State Implementation Plan (SIP). Furthermore, the references to Merced County Rule 109 and San Joaquin County Rule 110 will also be removed from the permit since the facility is not located within Merced County or San Joaquin County.

Therefore, conditions 1, 2, and 39 on the proposed draft renewed Permit N-2246-0-5 have been modified to remove the references listed above.

- 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
- 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
- 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

B. District Rule 2020 - Exemptions

This rule specifies emissions units that are not required to obtain an Authority to Construct or Permit to Operate. This rule also specifies the recordkeeping requirements to verify the exemption and outlines the compliance schedule for emissions units that lose the exemption after installation.

District Rule 2020 was amended on December 18, 2014, however, the amended rule is not SIP-approved by the EPA. The previous version of this rule (amended August 18, 2011) is SIP-approved. The December 18, 2014 amendments to this rule clarified Rule 2020 to assure proper interpretation of the rule's consistency with existing state requirements along with other minor changes; furthermore, the amendments do not result in new or more stringent regulatory controls beyond those already enforced.

Condition #4 on N-2246-0-5 will be updated such that the most recent version of the rule is referenced:

- 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~~ 12/18/14). [District Rule 2010, ~~3.0 and 4.0;~~ and 2020] Federally Enforceable Through Title V Permit

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

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

D. District Rule 2520 - Federally Mandated Operating Permits

This rule has been amended since the Title V permit was last renewed, but the last amended version of the rule is not SIP approved. Additionally, the amendments to this rule do not have any effect on current permit requirements. However, greenhouse gas emissions will be addressed under Rule 2520 during this renewal.

Greenhouse Gas Discussion

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

E. District Rule 4601 - Architectural Coatings

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

The rule was amended on April 16, 2020, and was SIP-approved on December 14, 2022. The amendments will be discussed with this evaluation since the previous Title V renewal (project N-1201263) was finalized prior to EPA's approval of the amendments. The amendments to the rule include the following:

- Numerous definitions were added, deleted or modified in order to make the amended rule harmonize with definitions and rule requirements presented in the California Air Resources Board (ARB) Suggested Control Measures (SCM).
- The amended rule implements the recommended VOC limits per the ARB SCM. The following changes were as follows: 15 coating categories were eliminated, 10 were added, 19 coatings categories remained unchanged, and the VOC content limits for 19 categories were lowered.
- The phrase "blends or repackages" was added to rule language to extend the applicability of rule language to facilities involved in those activities.
- A reporting requirement was added for any architectural coating that is sold in a container with a volume of one liter or less. The exemption for architectural coatings was further defined by adding "coatings that are supplied and offered for sale" to current language, in order to make the rule consistent with the ARB SCM.
- Labeling requirements were updated to add new labeling standards consistent with new coatings categories per the SCM.
- A new section was added to include reporting requirements per the SCM. The SCM contains a new requirement to submit sales data. Collection of this data

- is authorized in the California Health and Safety Code which requires submission of data to estimate emissions.
- New sections were added to coincide with new coating categories pursuant to the ARB SCM.
 - The compliance schedule was updated to account for the new amendments to rule language by adding the phrase "the dates specified within the text of the rule."

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

- The tables outlining the VOC content of different specialty coatings and colorants have been largely replaced with the Table 1 and Table 2 in Section 5.0.

To ensure compliance with Rule 4601, conditions 23, 24, and 25 of the facility wide permit N-2246-0-5 have been updated as follows:

- 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]
- {mod 4385} All VOC-containing materials subject to Rule 4601 (4/16/2020) shall be stored in closed containers when not in use. [District Rule 4601]
- {mod 4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (4/16/2020). [District Rule 4601]

F. District Rule 4702 - Internal Combustion Engines

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), volatile organic compounds (VOC), particulate matter (PM), and sulfur oxides (SO_x) from internal combustion engines. This rule applies to any internal combustion engine rated at 25 brake horsepower or greater.

District Rule 4702 was amended on August 19, 2021. However, the amended rule is not SIP-approved by EPA. The previous version of this rule (amended November 14, 2013) is SIP-approved and was addressed by the District's previous TV permit renewal. The August 19, 2021 amendment to this rule consisted of the lowering of the NO_x and VOC emissions limits for some engine categories, clarifications to definitions, and updates to test methods. Additionally, the amendments established Particulate Matter Emission Control Requirements for all engines that are operated in the Valley as well as SO_x control requirements for agricultural engines. Based on these amendments to the SIP approved rule, the amended rule is as stringent as, if

not more stringent, than the SIP approved version of the rule.

- a. N-2246-8-5: 170 BHP GENERAL MOTORS MODEL VORTEC PROPANE-FIRED EMERGENCY STANDBY IC ENGINE WITH 3-WAY CATALYST POWERING AN ELECTRICAL GENERATOR
- b. N-2246-9-5: 170 BHP GENERAL MOTORS INDUSTRIAL POWERTRAIN PROPANE/LPG-FIRED EMERGENCY STANDBY IC ENGINE WITH A JOHNSON MATTHEY MODEL BANDITO NON-SELECTIVE CATALYTIC REDUCTION (NSCR) SYSTEM POWERING AN ELECTRICAL GENERATOR

Since the two units are emergency standby engines and are equipped with nonresettable elapsed time meters, then both engines enjoy exemptions from the requirements of this rule pursuant to Section 4.2, except for the monitoring requirements of 5.10 and administrative requirements of Section 6.2.3. The amended sections of this rule are not applicable to these engines. Therefore, the following conditions shall remain on the proposed renewed Title V permit to ensure continued compliance with this rule.

Permit Unit	Condition #
N-2246-8-5	3, 7-9, 15-18, 20, and 21
N-2246-9-5	4, 5, 12, 13, and 16-18

G. District Rule 8051 - Open Areas

This rule limits fugitive dust emissions from open areas, and is applicable to facilities that have open areas of 0.5 acres or more within urban areas or 3.0 acres or more within rural areas, and contain at least 1,000 square feet of disturbed surface area.

Section 5.0 requires that whenever an open area is disturbed or vehicles are used in an open area, the owner/operator shall implement one or a combination of control measures indicated in Table 8051-1 to comply with the conditions of a stabilized surface at all times and to limit Visible Dust Emissions (VDE) to 20% opacity. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

The following condition of the proposed requirements of the facility-wide permit ensures compliance with this rule.

Permit Unit	Condition #
N-2246-0-5	32

H. 40 CFR Part 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines

§60.4230(a)(4) and (a)(5) specify for owners which stationary spark ignition (SI) internal combustion engines (ICE) are subject to the provisions of this subpart. There are no modifications done to the applicability sections with the recent amendments to this subpart.

Section (a)(4) applies to stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

- i. On or after July 1, 2007 for engines with a maximum engine power greater than or equal to 500 hp (except lean burn engines with a maximum engine power greater than or equal to 500 hp and less than 1,350);
- ii. On or after January 1, 2008, for lean burn engines with a maximum engine power greater than or equal to 500 hp and less than 1,350 HP;
- iii. On or after July 1, 2008, for engines with a maximum engine power less than 500 HP; or
- iv. On or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 kW (25 HP)
 - a. N-2246-8-5: 170 BHP GENERAL MOTORS MODEL VORTEC PROPANE-FIRED EMERGENCY STANDBY IC ENGINE WITH 3-WAY CATALYST POWERING AN ELECTRICAL GENERATOR

The engine permitted under unit N-2246-8 was not constructed, modified, or reconstructed after June 12, 2006. Therefore, per section 60.4230(a)(4), this subpart does not apply to this unit.

- b. N-2246-9-5: 170 BHP GENERAL MOTORS INDUSTRIAL POWERTRAIN PROPANE/LPG-FIRED EMERGENCY STANDBY IC ENGINE WITH A JOHNSON MATTHEY MODEL BANDITO NON-SELECTIVE CATALYTIC REDUCTION (NSCR) SYSTEM POWERING AN ELECTRICAL GENERATOR

The emergency engine permitted under unit N-2246-9 was installed in 2007, and manufactured prior to January 1, 2009. Therefore, per section 60.4230(a)(4)(iv), this subpart does not apply to this unit.

None of the engines meet any of the applicability requirements listed in §60.4230(a)(4) and (a)(5). Therefore, no requirements of 40 CFR 60 Subpart JJJJ apply to these engines.

I. 40 CFR Part 63 Subpart YYYY - National Emission Standards for Hazardous Air Pollutants for Stationary Combustion Turbines

This subpart 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.

Section §63.6085(b) states, “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.”

Based on a previous HAP determination performed under project N-1201263, the facility is not a major source of HAP emissions. The facility’s potential to emit has not increased, and the facility is still not considered a major source as defined in Section §63.6085(b). Therefore, this subpart is not applicable and no further discussion is required.

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.

§63.6585 Am I subject to this subpart?

This subpart applies to owners and operators of stationary reciprocating internal combustion engines (RICE) operated at a major or area source of Hazardous Air Pollutant (HAP) emissions.

§63.6585(b) states a major source of HAP emissions is a plant site that emits or has the potential to emit any single HAP at a rate of 10 tons (9.07 megagrams) or more per year or any combination of HAP at a rate of 25 tons (22.68 megagrams) or more per year, except that for oil and gas production facilities, a major source of HAP emissions is determined for each surface site.

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

This facility is not a major source for HAP emissions and is therefore an area source for HAP emissions. Thus, this facility is subject to this subpart.

§63.6585(f) states that an existing emergency stationary RICE meeting the definition of an emergency stationary RICE in §63.6675 used at residential, commercial, or institutional sources are not subject to this subpart. The Turlock Irrigation facility is a power generation facility which is not residential, commercial or institutional. Therefore, this facility is subject to this subpart.

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

This subpart applies to each affected source. §63.6590(a) states than an affected source is any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand.

- a. N-2246-8-5: 170 BHP GENERAL MOTORS MODEL VORTEC PROPANE-FIRED EMERGENCY STANDBY IC ENGINE WITH 3-WAY CATALYST POWERING AN ELECTRICAL GENERATOR

The engine permitted under unit N-2246-8 is an existing stationary RICE and located at an area source of HAP emissions and had commenced construction before June 12, 2006. Therefore, pursuant to §63.6590(1)(iii) it is subject to the requirements of this subpart.

- b. N-2246-9-5: 170 BHP GENERAL MOTORS INDUSTRIAL POWERTRAIN PROPANE/LPG-FIRED EMERGENCY STANDBY IC ENGINE WITH A JOHNSON MATTHEY MODEL BANDITO NON-SELECTIVE CATALYTIC REDUCTION (NSCR) SYSTEM POWERING AN ELECTRICAL GENERATOR

The engine under unit N-2246-9 was installed in 2007 and is considered an existing emergency stationary RICE. It is located at an area source of HAP emissions. Therefore, pursuant to §63.6590(2)(iii), it is subject to the requirements of this subpart.

The amendments to this subpart include the streamlining of the existing fuel quality regulations pursuant to Section §63.6604, the addition of moisture content measurements for preform tests, changes to reporting requirements for major sources of HAP, and revisions to paragraphs (b) and (d) in Section § 63.6645.

In addition, Table 2d, of this subpart was modified to clarify the requirements for annual inspections and maintenance. The amended requirements for inspections and/or maintenance are now required within 1 year and 30 days of the previous change. Previously, this part would only require 'annual' inspections and/or maintenance with no exact timeline provided. Conditions 10, 12, and 13 of draft PTO

N-2246-8-5 as well as conditions 14, 16, and 17 of draft PTO N-2246-9-5 account for the amended language.

The amendments to this rule did not change the stringency of the existing regulations, i.e. fuel quality standards, maintenance requirements, etc. Therefore, continued compliance with this subpart is expected, and will be ensured with the following conditions:

Permit Unit	Condition #
N-2246-8-5	3, 4, 7, 9, 10, 11, 12, 13, 14, 18, 19, and 21
N-2246-9-5	4, 5, 7, 13, 14, 15, 16, 17, 18, 22, 23, and 25

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

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

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

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

- a. N-2246-1-12: TURBINE/GENERATOR SET #1, 25.8 MW GENERAL ELECTRIC FRAME 5, MODEL PG 5361, NATURAL GAS/FUEL OIL #2 FIRED
 - 1) This permit unit has emission limits for NO_x, SO_x, PM₁₀, CO and VOC.
 - 2) The turbine is not equipped with any add-on control equipment and is therefore not subject to CAM requirements.

b. N-2246-2-12: TURBINE/GENERATOR SET #2, 25.8 MW GENERAL ELECTRIC FRAME 5, MODEL PG 5361, NATURAL GAS/FUEL OIL #2 FIRED

- 1) This permit unit has emission limits for NOx, SOx, PM10, CO and VOC.
- 2) The turbine is not equipped with any add-on control equipment and is not subject to CAM requirements.

c. N-2246-8-5: 170 BHP GENERAL MOTORS MODEL VORTEC PROPANE-FIRED EMERGENCY STANDBY IC ENGINE WITH 3-WAY CATALYST POWERING AN ELECTRICAL GENERATOR

- 1) This unit has emission limits for NOx, SOx, PM10, CO, and VOC in the form of emission factors and operating limits.
- 2) This engine is equipped with add-on controls for NOx, CO, and VOC in the form of a Non-Selective Catalytic Reduction (NSCR) system.
- 3) The control efficiencies for each pollutant is given in the table below:

Pollutant	Control Efficiency	Source
NOx	90%	Update on Emissions – Form 960, Second Edition, Waukesha Engine Division, Dresser Industries, October 1991
CO	80%	
VOC	50%	

The controlled emission factors were taken from the current permit and the uncontrolled emission factors are calculated below:

Pollutant	Controlled EF (g/bhp-hr)	Control Efficiency (CE)	Uncontrolled EF* (g/bhp-hr)
NOx	2.3	90%	23.0
CO	15.3	80%	76.5
VOC	0.54	50%	1.08

*Uncontrolled EF = (Controlled EF) ÷ (1- CE)

Pre-controls potential to emit is calculated as:

(uncontrolled EF) x (bhp) x (Operating hours) ÷ (453.6 g/lb)

Pre-control Potential to Emit				
Pollutant	Uncontrolled EF (g/bhp-hr)	Engine BHP	Operating hours (hr/yr)	PE (lb/yr)
NOx	23.0	170	100	862
CO	76.5	170	100	2,867
VOC	1.08	170	100	40

The pre-control potential to emit is not greater than the major source threshold of 20,000 lb-NOx/year, 200,000 lb-CO/year, and 20,000 lb-VOC/year. Therefore, this unit is not subject to CAM requirements.

d. N-2246-9-5: 170 BHP GENERAL MOTORS INDUSTRIAL POWERTRAIN PROPANE/LPG-FIRED EMERGENCY STANDBY IC ENGINE WITH A JOHNSON MATTHEY MODEL BANDITO NON-SELECTIVE CATALYTIC REDUCTION (NSCR) SYSTEM POWERING AN ELECTRICAL GENERATOR

- 1) This unit has emission limits for NOx, SOx, PM10, CO, and VOC in the form of emission factors and operating limits.
- 2) This engine is equipped with add-on controls for NOx, CO, and VOC in the form of a Non-Selective Catalytic Reduction (NSCR) system.
- 3) The control efficiencies for each pollutant is given in the table below:

Pollutant	Control Efficiency	Source
NOx	90%	Update on Emissions – Form 960, Second Edition, Waukesha Engine Division, Dresser Industries, October 1991
CO	80%	
VOC	50%	

The controlled emission factors were taken from the current permit and the uncontrolled emission factors are calculated below:

Pollutant	Controlled EF (g/bhp-hr)	Control Efficiency (CE)	Uncontrolled EF* (g/bhp-hr)
NOx	0.5	90%	5.0
CO	1.7	80%	8.5
VOC	0.1	50%	0.2

*Uncontrolled EF = (Controlled EF) ÷ (1- CE)

Pre-controls potential to emit is calculated as:

$$(\text{un controlled EF}) \times (\text{bhp}) \times (\text{Operating hours}) \div (453.6 \text{ g/lb})$$

Pre-control Potential to Emit				
Pollutant	Uncontrolled EF (g/bhp-hr)	Engine BHP	Operating hours (hr/yr)	PE (lb/yr)
NOx	5.0	170	100	187
CO	8.5	170	100	319
VOC	0.2	170	100	8

The pre-control potential to emit is not greater than the major source threshold of 20,000 lb-NOx/year, 200,000 lb-CO/year, and 20,000 lb-VOC/year. Therefore, this unit is not subject to CAM requirements.

L. 40 CFR Part 82, Subpart B - Servicing of Motor Vehicle Air Conditioners

The purpose of 40 CFR Part 82 Subpart B is to implement section 609 of the Clean Air Act, as amended regarding the servicing of motor vehicle air conditioners (MVACs), and to implement section 608 of the Act regarding certain servicing, maintenance, repair disposal of air conditioners in MVACs and MVAC-like appliances.

These regulations apply to any person performing service on a motor vehicle for consideration when this service involves the refrigerant in the motor vehicle air conditioner.

The amendments to this subpart do not have any effect on current permit requirements and will therefore not be addressed further in this evaluation. The following condition will be maintained to ensure compliance with this subpart:

Permit	Condition #
N-2246-0-5	28

M. 40 CFR Part 82, Subpart F - Recycling and Emissions Reduction

The purpose of this subpart is to reduce emissions of class I and class II refrigerants and their non-exempt substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the maintenance, service, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I or class II ozone-depleting substance or their non-exempt substitutes in accordance with Title VI of the Clean Air Act.

This subpart applies to any person maintaining, servicing, or repairing appliances containing class I, class II or non-exempt substitute refrigerants. This subpart also applies to persons disposing of such appliances (including small appliances and motor vehicle air conditioners), refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recovery and/or recycling equipment, approved recovery and/or recycling equipment testing organizations, and persons buying, selling, or offering to sell class I, class II, or non-exempt substitute refrigerants.

The amendments to this subpart do not have any effect on current permit requirements and will therefore not be addressed further in this evaluation. The following condition will be maintained to ensure compliance with the requirements of this subpart:

Permit	Condition #
N-2246-0-5	27

IX. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

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

B. Requirements not Addressed by Model General Permit Templates

The applicant has not requested a permit shield for any requirements.

C. Obsolete Permit Shields From Existing Permit Requirements

Several county rules that have been removed from the San Joaquin Valley SIP recently as discussed in Section VII.A. References to non-applicable rules will be removed from permit shield condition #39 on the facility-wide permit N-2246-0-5 has been updated as follows:

- 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]

As noted in Section VII.D, District Rule 4601 was amended on April 16, 2020 and was SIP-approved on December 14, 2022, District Rule 8051 was amended on September 21, 2023 and SIP-approved on October 4, 2024. Since the permit shields do not cover the latest versions of the rules, condition #40 on the facility-wide permit N-2246-0-5 has been updated to remove these amended rules:

- 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 (8/9/04);~~ 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2]

X. CALIFORNIA ENVIRONMENTAL QUALITY ACT

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

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

XI. PERMIT CONDITIONS

See Attachment A - Draft Renewed Title V Operating Permit.

ATTACHMENTS

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

ATTACHMENT A

Draft Renewed Title V Operating Permit

San Joaquin Valley Air Pollution Control District

FACILITY: N-2246-0-5

EXPIRATION DATE: 09/30/2025

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] 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] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. 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 (12/18/2014). [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 (12/17/1992) 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.

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. 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 (6/20/2024). [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, sell, solicit or apply any architectural coating or colorant with a VOC content in excess of the corresponding limit specified in Table 1 (Coatings) and Table 2 (Colorants) of District Rule 4601 (4/16/2020), unless exempted under section 4.0 of District Rule 4601 (amended 4/16/2020). [District Rule 4601] Federally Enforceable Through Title V Permit
24. All VOC-containing materials subject to Rule 4601 (4/16/2020) 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 (4/16/2020). [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. 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 (9/21/2023) 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 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced) 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 (12/17/1992); 2010, sections 3.0 and 4.0 (12/17/1992); 2031 (12/17/1992); 2040 (12/17/1992); 2070, section 7.0 (12/17/1992); 2080 (12/17/1992); 4101 (2/17/2005); 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. Facilities N-2246 and N-7172 are included in the same stationary source. [District Rule 2201] Federally Enforceable Through Title V Permit
43. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin November 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2246-1-12

EXPIRATION DATE: 09/30/2025

EQUIPMENT DESCRIPTION:

TURBINE/GENERATOR SET #1, 25.8 MW GENERAL ELECTRIC FRAME 5, MODEL PG 5361, NATURAL GAS/FUEL OIL #2 FIRED

PERMIT UNIT REQUIREMENTS

1. This unit is subject to the requirements of 40 CFR Part 60, Subpart GG: Standards of Performance for Stationary Gas Turbines. [District Rule 4001] Federally Enforceable Through Title V Permit
2. The owner shall monitor operational characteristics recommended by the turbine manufacturer or emission control system supplier. [District Rule 4703] Federally Enforceable Through Title V Permit
3. This unit shall be fired on only natural gas or fuel oil #2. The primary fuel shall be natural gas; fuel oil #2 shall be used as a backup fuel only in the event of a natural gas shortage. [District Rule 2201 and 40 CFR 60.331(r)] Federally Enforceable Through Title V Permit
4. This unit shall be fired only on natural gas with a sulfur content not exceeding 1.0 grain of sulfur compounds (as S) per 100 dry standard cubic feet of natural gas. If this is fired on PUC-regulated natural gas, compliance with this sulfur content limit may be demonstrated with fuel receipts. [District Rules 2201 and 4801; Stanislaus County Rule 407; and 40 CFR 60.333(b) and 334(h)(3)] Federally Enforceable Through Title V Permit
5. If this unit is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for eight consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until compliance is demonstrated for eight consecutive weeks. [40 CFR 60.334(h)] Federally Enforceable Through Title V Permit
6. The sulfur content of fuel oil shall be less than 0.05 percent by weight. [District Rules 4703 and 4801; Stanislaus County Rule 407; and 40 CFR 60.333(b)] Federally Enforceable Through Title V Permit
7. The sulfur content of the fuel oil shall be determined each time fuel is transferred into the on-site storage tank. [40 CFR 60.334(i)] Federally Enforceable Through Title V Permit
8. The operation of this unit shall not exceed 200 hours during any calendar year. Operations during California Independent System Operator (ISO) declared or TID declared emergencies shall not count against the unit's 200 hr/yr operating limit, provided the unit is located in the local area transmission system of the emergency. Operation during a state of emergency declared by proclamation of the Governor also shall not count towards this 200 hr/yr operating limit when the unit is located in the specific geographic location identified in the proclamation. [District Rule 4703] Federally Enforceable Through Title V Permit
9. Total operation of this unit, excluding operation during a state of emergency declared by proclamation of the Governor and when the unit is located in the specific geographic location identified in the proclamation, shall not exceed 877 hours during any calendar year. [District Rule 4703] Federally Enforceable Through Title V Permit
10. No later than April 1 each year, the owner shall pay a fee to the District, calculated in accordance with Section 5.1.3.3.2 of Rule 4703, for operations during an ISO-declared or TID - declared emergency, provided these operating hours are not being counted towards the 200 hr/yr operating limit. [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.

11. When firing on natural gas, NO_x (referenced as NO₂) emissions shall not exceed 25.0 ppmvd @ 15% O₂, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703; and 40 CFR 60.332(b) and 334(j)] Federally Enforceable Through Title V Permit
12. When firing on fuel oil, the NO_x (referenced as NO₂) emissions shall not exceed 42.0 ppmvd @ 15% O₂ and 51 lb/hr, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
13. The NO_x emission concentration shall not exceed 42 ppmvd @ 15% O₂ except during transitional operation period, and the NO_x emission rate shall not exceed 51 pounds in any one hour. [District Rules 2201 and 4703; and 40 CFR 60.332(b) and 334(j)] Federally Enforceable Through Title V Permit
14. The combined NO_x emissions from permit units N-2246-1 and N-2246-2 shall not exceed 1,020 lb/day and shall not exceed 25,551 lb/quarter. [District Rule 2201] Federally Enforceable Through Title V Permit
15. When firing on either natural gas or fuel oil, CO emissions shall not exceed 200 ppmvd @ 15% O₂, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
16. The cumulative annual CO emissions from permit units N-2246-1 and N-2246-2 shall be less than 200,000 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
17. When firing on either natural gas or fuel oil, VOC emissions shall not exceed 15.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
18. {2256} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
19. When firing on natural gas, PM₁₀ emissions shall not exceed 8.60 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
20. When firing on fuel oil, PM₁₀ emissions shall not exceed 20.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The combined PM₁₀ emissions from permit units N-2246-1 and N-2246-2 shall not exceed 150 pounds during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The annual PM₁₀ emissions shall not exceed 7,016 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
23. When firing on natural gas, SO_x emissions shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
24. When firing on fuel oil, SO_x emissions shall not exceed 16.37 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
25. In the event of a natural gas shortage, SO_x emissions from permit units N-2246-1 and N-2246-2 shall not exceed 5,950 pounds during any one month. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Source testing to demonstrate ongoing compliance with the NO_x and CO emission limits for natural gas fuel shall be conducted at least once per 24-month period provided that the unit is operated for a total of less than 877 hours per year. Otherwise, the source testing shall be conducted annually. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
27. Source testing to demonstrate compliance with the NO_x and CO emission limits for fuel oil shall be conducted within 30 days of operation on that fuel, unless the unit successfully demonstrated compliance with the NO_x and CO emission limits for fuel oil within the previous 24 months. [District Rules 2201 and 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.

28. 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
29. 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
30. 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 NO_x, CO, and O₂ analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Source Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
31. NO_x emissions (referenced as NO₂) shall be determined using EPA Method 7E or EPA Method 20. The test results shall be corrected to ISO standard conditions as defined in 40 CFR Part 60 Subpart GG Section 60.335. [District Rules 1081, 4001, and 4703] Federally Enforceable Through Title V Permit
32. CO emissions shall be determined using EPA method 10 or EPA method 10B. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
33. Oxygen content of the exhaust gas shall be determined by using EPA method 3, EPA method 3A, or EPA method 20. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
34. The owner or operator shall install, operate and maintain in calibration a system which continuously measures and records: control system operating parameters, elapsed time of operation of the turbine, and the fuel consumption and the ratio of water to fuel being fired in the turbine. The system shall be accurate to within + 5% and shall be approved by the administrator. [40 CFR 60.334(a) and (g)] Federally Enforceable Through Title V Permit
35. The steam or water to fuel ratio or other parameters that are continuously monitored, shall be monitored during the performance test required under ¶ 60.8, to establish acceptable values and ranges. The owner or operator may supplement the performance test data with engineering analyses, design specifications, manufacturer's recommendations and other relevant information to define the acceptable parametric ranges more precisely. The owner or operator shall develop and keep on-site a parameter monitoring plan which explains the procedures used to document proper operation of the NO_x emission controls. The plan shall include the parameter(s) monitored and the acceptable range(s) of the parameter(s) as well as the basis for designating the parameter(s) and acceptable range(s). Any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information shall be included in the monitoring plan. [District Rule 4703; 40 CFR 60.334(g); and 40 CFR 60.7(c)] Federally Enforceable Through Title V Permit
36. The owner or operator shall report periods of excess emissions that are defined as follows: any one-hour period during which the average water-to-fuel ratio, as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with the NO_x emission limit. Each report shall include the average water-to-fuel ratio, average fuel consumption, ambient conditions, and gas turbine load. [40 CFR 60.334(j)(1)] Federally Enforceable Through Title V Permit
37. 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 NO_x emission 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. [District Rule 4703; 40 CFR 60.344(g) and (j)(1), 335(b) and (c); and 40 CFR 60.13(a)] Federally Enforceable Through Title V Permit
38. The owner shall maintain a stationary gas turbine system operating log that includes: the actual local start-up and stop time; length and reason for reduced load periods; total hours of operation on each fuel, and type and quantity of each fuel used. These records shall be updated daily. [District Rules 2201 and 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.

39. The owner shall maintain a log that shows the following: (a). The combined daily NO_x emissions from permit units N-2246-1 and N-2246-2; (b). The combined daily PM₁₀ emissions from permit units N-2246-1 and N-2246-2; (c). The cumulative quarterly NO_x emissions from permit units N-2246-1 and N-2246-2; (d). The cumulative annual PM₁₀ emissions from this permit unit (N-2246-1). This log shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rule 2201] Federally Enforceable Through Title V Permit
40. The owner or operator shall determine compliance with the sulfur content standard using the following methods: ASTM D129, D2622, D4294, D1266, D5453, D1552, D4084, D5504, D6228, or Gas Processors Association Standard 2377. [40 CFR 60.334(h)(1) and 335(b)(10)] Federally Enforceable Through Title V Permit
41. Transitional Operation Period shall be defined as any of the following periods: bypass transition period, primary re-ignition period, reduced load period, start-up or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
42. Start-up shall be defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation. [District Rule 4703] Federally Enforceable Through Title V Permit
43. Shutdown shall be defined as the period of time during which a unit is taken from an operational to a non-operational status by allowing it to cool down from its operating temperature to ambient temperature as the fuel supply to the unit is completely turned off. [District Rule 4703] Federally Enforceable Through Title V Permit
44. The duration of each startup or shutdown shall not exceed two hours. [District Rule 4703] Federally Enforceable Through Title V Permit
45. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during each transitional operation period. [District Rule 4703] Federally Enforceable Through Title V Permit
46. The operator performing start-up or shutdown of a unit shall keep records of the duration of startup or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
47. The owner or operator shall maintain a stationary gas turbine system operating log, which identifies the date, start time, and end time that the unit was operated pursuant to Section 5.1.3.3 of Rule 4703 (9/20/2007); a copy of the ISO or TID emergency declaration for that operation; and a copy of the information used to determine the applicable annual emission fee. [District Rule 4703] Federally Enforceable Through Title V Permit
48. The owner or operator shall maintain a stationary gas turbine system operating log, which identifies the date, start time, and end time that the unit was operated during a state of emergency, when such emergency is declared by proclamation of the Governor and the unit is located in the specific geographic location identified in the proclamation. [District Rule 4703] Federally Enforceable Through Title V Permit
49. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 2201 and 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: N-2246-2-12

EXPIRATION DATE: 09/30/2025

EQUIPMENT DESCRIPTION:

TURBINE/GENERATOR SET #2, 25.8 MW GENERAL ELECTRIC FRAME 5, MODEL PG 5361, NATURAL GAS/FUEL OIL #2 FIRED

PERMIT UNIT REQUIREMENTS

1. This unit is subject to the requirements of 40 CFR Part 60, Subpart GG: Standards of Performance for Stationary Gas Turbines. [District Rule 4001] Federally Enforceable Through Title V Permit
2. The owner shall monitor operational characteristics recommended by the turbine manufacturer or emission control system supplier. [District Rule 4703] Federally Enforceable Through Title V Permit
3. This unit shall be fired on only natural gas or fuel oil #2. The primary fuel shall be natural gas; fuel oil #2 shall be used as a backup fuel only in the event of a natural gas shortage. [District Rule 2201 and 40 CFR 60.331(r)] Federally Enforceable Through Title V Permit
4. This unit shall be fired only on natural gas with a sulfur content not exceeding 1.0 grain of sulfur compounds (as S) per 100 dry standard cubic feet of natural gas. If this is fired on PUC-regulated natural gas, compliance with this sulfur content limit may be demonstrated with fuel receipts. [District Rules 2201 and 4801; Stanislaus County Rule 407; and 40 CFR 60.333(b) and 334(h)(3)] Federally Enforceable Through Title V Permit
5. If this unit is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for eight consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until compliance is demonstrated for eight consecutive weeks. [40 CFR 60.334(h)] Federally Enforceable Through Title V Permit
6. The sulfur content of fuel oil shall be less than 0.05 percent by weight. [District Rules 4703 and 4801; Stanislaus County Rule 407; and 40 CFR 60.333(b)] Federally Enforceable Through Title V Permit
7. The sulfur content of the fuel oil shall be determined each time fuel is transferred into the on-site storage tank. [40 CFR 60.334(i)] Federally Enforceable Through Title V Permit
8. The operation of this unit shall not exceed 200 hours during any calendar year. Operations during California Independent System Operator (ISO) declared or TID declared emergencies shall not count against the unit's 200 hr/yr operating limit, provided the unit is located in the local area transmission system of the emergency. Operation during a state of emergency declared by proclamation of the Governor also shall not count towards this 200 hr/yr operating limit when the unit is located in the specific geographic location identified in the proclamation. [District Rule 4703] Federally Enforceable Through Title V Permit
9. Total operation of this unit, excluding operation during a state of emergency declared by proclamation of the Governor and when the unit is located in the specific geographic location identified in the proclamation, shall not exceed 877 hours during any calendar year. [District Rule 4703] Federally Enforceable Through Title V Permit
10. No later than April 1 each year, the owner shall pay a fee to the District, calculated in accordance with Section 5.1.3.3.2 of Rule 4703, for operations during an ISO-declared or TID - declared emergency, provided these operating hours are not being counted towards the 200 hr/yr operating limit. [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.

11. When firing on natural gas, NO_x (referenced as NO₂) emissions shall not exceed 25.0 ppmvd @ 15% O₂, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703; and 40 CFR 60.332(b) and 334(j)] Federally Enforceable Through Title V Permit
12. When firing on fuel oil, the NO_x (referenced as NO₂) emissions shall not exceed 42.0 ppmvd @ 15% O₂ and 51 lb/hr, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
13. The NO_x emission concentration shall not exceed 42 ppmvd @ 15% O₂ except during transitional operation period, and the NO_x emission rate shall not exceed 51 pounds in any one hour. [District Rules 2201 and 4703; and 40 CFR 60.332(b) and 334(j)] Federally Enforceable Through Title V Permit
14. The combined NO_x emissions from permit units N-2246-1 and N-2246-2 shall not exceed 1,020 lb/day and shall not exceed 25,551 lb/quarter. [District Rule 2201] Federally Enforceable Through Title V Permit
15. When firing on either natural gas or fuel oil, CO emissions shall not exceed 200 ppmvd @ 15% O₂, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
16. The cumulative annual CO emissions from permit units N-2246-1 and N-2246-2 shall be less than 200,000 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
17. When firing on either natural gas or fuel oil, VOC emissions shall not exceed 15.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
18. {2256} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
19. When firing on natural gas, PM₁₀ emissions shall not exceed 8.60 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
20. When firing on fuel oil, PM₁₀ emissions shall not exceed 20.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The combined PM₁₀ emissions from permit units N-2246-1 and N-2246-2 shall not exceed 150 pounds during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The annual PM₁₀ emissions shall not exceed 7,016 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
23. When firing on natural gas, SO_x emissions shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
24. When firing on fuel oil, SO_x emissions shall not exceed 16.37 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
25. In the event of a natural gas shortage, SO_x emissions from permit units N-2246-1 and N-2246-2 shall not exceed 5,950 pounds during any one month. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Source testing to demonstrate ongoing compliance with the NO_x and CO emission limits for natural gas fuel shall be conducted at least once per 24-month period provided that the unit is operated for a total of less than 877 hours per year. Otherwise, the source testing shall be conducted annually. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
27. Source testing to demonstrate compliance with the NO_x and CO emission limits for fuel oil shall be conducted within 30 days of operation on that fuel, unless the unit successfully demonstrated compliance with the NO_x and CO emission limits for fuel oil within the previous 24 months. [District Rules 2201 and 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.

28. 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
29. 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
30. 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 NO_x, CO, and O₂ analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Source Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
31. NO_x emissions (referenced as NO₂) shall be determined using EPA Method 7E or EPA Method 20. The test results shall be corrected to ISO standard conditions as defined in 40 CFR Part 60 Subpart GG Section 60.335. [District Rules 1081, 4001, and 4703] Federally Enforceable Through Title V Permit
32. CO emissions shall be determined using EPA method 10 or EPA method 10B. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
33. Oxygen content of the exhaust gas shall be determined by using EPA method 3, EPA method 3A, or EPA method 20. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
34. The owner or operator shall install, operate and maintain in calibration a system which continuously measures and records: control system operating parameters, elapsed time of operation of the turbine, and the fuel consumption and the ratio of water to fuel being fired in the turbine. The system shall be accurate to within + 5% and shall be approved by the administrator. [40 CFR 60.334(a) and (g)] Federally Enforceable Through Title V Permit
35. The steam or water to fuel ratio or other parameters that are continuously monitored, shall be monitored during the performance test required under ¶ 60.8, to establish acceptable values and ranges. The owner or operator may supplement the performance test data with engineering analyses, design specifications, manufacturer's recommendations and other relevant information to define the acceptable parametric ranges more precisely. The owner or operator shall develop and keep on-site a parameter monitoring plan which explains the procedures used to document proper operation of the NO_x emission controls. The plan shall include the parameter(s) monitored and the acceptable range(s) of the parameter(s) as well as the basis for designating the parameter(s) and acceptable range(s). Any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information shall be included in the monitoring plan. [District Rule 4703; 40 CFR 60.334(g); and 40 CFR 60.7(c)] Federally Enforceable Through Title V Permit
36. The owner or operator shall report periods of excess emissions that are defined as follows: any one-hour period during which the average water-to-fuel ratio, as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with the NO_x emission limit. Each report shall include the average water-to-fuel ratio, average fuel consumption, ambient conditions, and gas turbine load. [40 CFR 60.334(j)(1)] Federally Enforceable Through Title V Permit
37. 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 NO_x emission 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. [District Rule 4703; 40 CFR 60.344(g) and (j)(1), 335(b) and (c); and 40 CFR 60.13(a)] Federally Enforceable Through Title V Permit
38. The owner shall maintain a stationary gas turbine system operating log that includes: the actual local start-up and stop time; length and reason for reduced load periods; total hours of operation on each fuel, and type and quantity of each fuel used. These records shall be updated daily. [District Rules 2201 and 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.

39. The owner shall maintain a log that shows the following: (a). The combined daily NOx emissions from permit units N-2246-1 and N-2246-2; (b). The combined daily PM10 emissions from permit units N-2246-1 and N-2246-2; (c). The cumulative quarterly NOx emissions from permit units N-2246-1 and N-2246-2; (d). The cumulative annual PM10 emissions from this permit unit (N-2246-1). This log shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rule 2201] Federally Enforceable Through Title V Permit
40. The owner or operator shall determine compliance with the sulfur content standard using the following methods: ASTM D129, D2622, D4294, D1266, D5453, D1552, D4084, D5504, D6228, or Gas Processors Association Standard 2377. [40 CFR 60.334(h)(1) and 335(b)(10)] Federally Enforceable Through Title V Permit
41. Transitional Operation Period shall be defined as any of the following periods: bypass transition period, primary re-ignition period, reduced load period, start-up or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
42. Start-up shall be defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation. [District Rule 4703] Federally Enforceable Through Title V Permit
43. Shutdown shall be defined as the period of time during which a unit is taken from an operational to a non-operational status by allowing it to cool down from its operating temperature to ambient temperature as the fuel supply to the unit is completely turned off. [District Rule 4703] Federally Enforceable Through Title V Permit
44. The duration of each startup or shutdown shall not exceed two hours. [District Rule 4703] Federally Enforceable Through Title V Permit
45. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during each transitional operation period. [District Rule 4703] Federally Enforceable Through Title V Permit
46. The operator performing start-up or shutdown of a unit shall keep records of the duration of startup or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
47. The owner or operator shall maintain a stationary gas turbine system operating log, which identifies the date, start time, and end time that the unit was operated pursuant to Section 5.1.3.3 of Rule 4703 (9/20/2007); a copy of the ISO or TID emergency declaration for that operation; and a copy of the information used to determine the applicable annual emission fee. [District Rule 4703]
48. The owner or operator shall maintain a stationary gas turbine system operating log, which identifies the date, start time, and end time that the unit was operated during a state of emergency, when such emergency is declared by proclamation of the Governor and the unit is located in the specific geographic location identified in the proclamation. [District Rule 4703] Federally Enforceable Through Title V Permit
49. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 2201 and 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: N-2246-8-5

EXPIRATION DATE: 09/30/2025

EQUIPMENT DESCRIPTION:

170 BHP GENERAL MOTORS MODEL VORTEC PROPANE-FIRED EMERGENCY STANDBY IC ENGINE WITH 3-WAY CATALYST POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be fired on LPG or propane. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-selective catalyst installed on the exhaust stack. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The permittee shall install and operate a nonresettable fuel meter and a nonresettable elapsed operating time meter. In lieu of installing a nonresettable fuel meter, the owner or operator may use an alternative device, method, or technique in determining monthly fuel consumption provided that the alternative is approved by the APCO. The owner or operator shall maintain these required meters in proper operating condition. The fuel meter shall be calibrated periodically per the recommendations of the manufacturer. [District Rules 2201 and 4702, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. Emissions from the engine shall not exceed any of the following limits: 2.3 g-NOx/bhp-hr, 0.064 g-PM10/bhp-hr, 15.3 g-CO/bhp-hr, 0.54 g-VOC/bhp-hr, or 0.0164 lb-SOx/MMBtu. [District Rules 2201 and 4801, and Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
9. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The engine's oil and filter shall be changed every 500 hours of operation or within 1 year and 30 days of the previous change, whichever comes first. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The engine's spark plugs shall be inspected every 1,000 hours of operation or within 1 year and 30 days of the previous change, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The engine's hoses and belts shall be inspected every 500 hours of operation or within 1 year and 30 days of the previous change, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
16. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
17. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
18. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with § 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
20. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

21. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

DRAFT

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: N-2246-9-5

EXPIRATION DATE: 09/30/2025

EQUIPMENT DESCRIPTION:

170 BHP GENERAL MOTORS INDUSTRIAL POWERTRAIN PROPANE/LPG-FIRED EMERGENCY STANDBY IC ENGINE WITH A JOHNSON MATTHEY MODEL BANDITO NON-SELECTIVE CATALYTIC REDUCTION (NSCR) SYSTEM POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall have a flapper-type rain cap and shall vent vertically upward. The vertical exhaust flow shall not be impeded by roof overhang or any other obstruction. [District Rule 4102]
3. This engine shall only be fired on LPG or propane. [District Rule 2201] Federally Enforceable Through Title V Permit
4. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with either a positive crankcase ventilation system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approve alternative. [District Rule 4702 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. NOx emissions from the exhaust of the NSCR system shall not exceed 0.5 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
9. SOx emissions from the exhaust of the NSCR system shall not exceed 0.067 g/bhp-hr. [District Rules 2201 and 4801, and Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
10. PM10 emissions from the exhaust of the NSCR system shall not exceed 0.076 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
11. CO emissions from the exhaust of the NSCR system shall not exceed 1.7 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
12. VOC emissions from the exhaust of the NSCR system shall not exceed 0.1 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
13. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 40 CFR Part 63 ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The engine's oil and filter shall be changed every 500 hours of operation or within 1 year and 30 days of the previous change, whichever comes first. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. The engine's spark plugs shall be inspected every 1,000 hours of operation or within 1 year and 30 days of the previous change, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The engine's hoses and belts shall be inspected every 500 hours of operation or within 1 year and 30 days of the previous change, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
18. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
20. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
21. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
22. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
23. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR Part 63 Subpart ZZZZ] 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 permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702] Federally Enforceable Through Title V Permit
25. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

DRAFT

ATTACHMENT B

Previous Title V Operating Permit

San Joaquin Valley

Air Pollution Control District

FACILITY: N-2246-0-4

EXPIRATION DATE: 09/30/2025

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: TURLOCK IRRIGATION DISTRICT
Location: 325 S WASHINGTON RD, TURLOCK, CA 95380
N-2246-0-4 : Feb 20 2025 10:40AM - AVILAG

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. Facilities N-2246 and N-7172 are included in the same stationary source. [District Rule 2201] Federally Enforceable Through Title V Permit
43. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin November 1 of every year, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

San Joaquin Valley

Air Pollution Control District

PERMIT UNIT: N-2246-1-11

EXPIRATION DATE: 09/30/2025

EQUIPMENT DESCRIPTION:

TURBINE/GENERATOR SET #1, 25.8 MW GENERAL ELECTRIC FRAME 5, MODEL PG 5361, NATURAL GAS/FUEL OIL #2 FIRED

PERMIT UNIT REQUIREMENTS

1. This unit is subject to the requirements of 40 CFR Part 60, Subpart GG: Standards of Performance for Stationary Gas Turbines. [District Rule 4001] Federally Enforceable Through Title V Permit
2. The owner shall monitor operational characteristics recommended by the turbine manufacturer or emission control system supplier. [District Rule 4703] Federally Enforceable Through Title V Permit
3. This unit shall be fired on only natural gas or fuel oil #2. The primary fuel shall be natural gas; fuel oil #2 shall be used as a backup fuel only in the event of a natural gas shortage. [District Rule 2201 and 40 CFR 60.331(r)] Federally Enforceable Through Title V Permit
4. This unit shall be fired only on natural gas with a sulfur content not exceeding 1.0 grain of sulfur compounds (as S) per 100 dry standard cubic feet of natural gas. If this is fired on PUC-regulated natural gas, compliance with this sulfur content limit may be demonstrated with fuel receipts. [District Rules 2201 and 4801; Stanislaus County Rule 407; and 40 CFR 60.333(b) and 334(h)(3)] Federally Enforceable Through Title V Permit
5. If this unit is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for eight consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until compliance is demonstrated for eight consecutive weeks. [40 CFR 60.334(h)] Federally Enforceable Through Title V Permit
6. The sulfur content of fuel oil shall be less than 0.05 percent by weight. [District Rules 4703 and 4801; Stanislaus County Rule 407; and 40 CFR 60.333(b)] Federally Enforceable Through Title V Permit
7. The sulfur content of the fuel oil shall be determined each time fuel is transferred into the on-site storage tank. [40 CFR 60.334(i)] Federally Enforceable Through Title V Permit
8. The operation of this unit shall not exceed 200 hours during any calendar year. Operations during California Independent System Operator (ISO) declared or TID declared emergencies shall not count against the unit's 200 hr/yr operating limit, provided the unit is located in the local area transmission system of the emergency. Operation during a state of emergency declared by proclamation of the Governor also shall not count towards this 200 hr/yr operating limit when the unit is located in the specific geographic location identified in the proclamation. [District Rule 4703] Federally Enforceable Through Title V Permit
9. Total operation of this unit, excluding operation during a state of emergency declared by proclamation of the Governor and when the unit is located in the specific geographic location identified in the proclamation, shall not exceed 877 hours during any calendar year. [District Rule 4703] Federally Enforceable Through Title V Permit
10. No later than April 1 each year, the owner shall pay a fee to the District, calculated in accordance with Section 5.1.3.3.2 of Rule 4703, for operations during an ISO-declared or TID - declared emergency, provided these operating hours are not being counted towards the 200 hr/yr operating limit. [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.

11. When firing on natural gas, NO_x (referenced as NO₂) emissions shall not exceed 25.0 ppmvd @ 15% O₂, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703; and 40 CFR 60.332(b) and 334(j)] Federally Enforceable Through Title V Permit
12. When firing on fuel oil, the NO_x (referenced as NO₂) emissions shall not exceed 42.0 ppmvd @ 15% O₂ and 51 lb/hr, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
13. The NO_x emission concentration shall not exceed 42 ppmvd @ 15% O₂ except during transitional operation period, and the NO_x emission rate shall not exceed 51 pounds in any one hour. [District Rules 2201 and 4703; and 40 CFR 60.332(b) and 334(j)] Federally Enforceable Through Title V Permit
14. The combined NO_x emissions from permit units N-2246-1 and N-2246-2 shall not exceed 1,020 lb/day and shall not exceed 25,551 lb/quarter. [District Rule 2201] Federally Enforceable Through Title V Permit
15. When firing on either natural gas or fuel oil, CO emissions shall not exceed 200 ppmvd @ 15% O₂, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
16. The cumulative annual CO emissions from permit units N-2246-1 and N-2246-2 shall be less than 200,000 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
17. When firing on either natural gas or fuel oil, VOC emissions shall not exceed 15.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
19. When firing on natural gas, PM₁₀ emissions shall not exceed 8.60 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
20. When firing on fuel oil, PM₁₀ emissions shall not exceed 20.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The combined PM₁₀ emissions from permit units N-2246-1 and N-2246-2 shall not exceed 150 pounds during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The annual PM₁₀ emissions shall not exceed 7,016 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
23. When firing on natural gas, SO_x emissions shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
24. When firing on fuel oil, SO_x emissions shall not exceed 16.37 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
25. In the event of a natural gas shortage, SO_x emissions from permit units N-2246-1 and N-2246-2 shall not exceed 5,950 pounds during any one month. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Source testing to demonstrate ongoing compliance with the NO_x and CO emission limits for natural gas fuel shall be conducted at least once per 24-month period provided that the unit is operated for a total of less than 877 hours per year. Otherwise, the source testing shall be conducted annually. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
27. Source testing to demonstrate compliance with the NO_x and CO emission limits for fuel oil shall be conducted within 30 days of operation on that fuel, unless the unit successfully demonstrated compliance with the NO_x and CO emission limits for fuel oil within the previous 24 months. [District Rules 2201 and 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.

28. 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
29. 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
30. 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 NO_x, CO, and O₂ analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Source Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
31. NO_x emissions (referenced as NO₂) shall be determined using EPA Method 7E or EPA Method 20. The test results shall be corrected to ISO standard conditions as defined in 40 CFR Part 60 Subpart GG Section 60.335. [District Rules 1081, 4001, and 4703] Federally Enforceable Through Title V Permit
32. CO emissions shall be determined using EPA method 10 or EPA method 10B. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
33. Oxygen content of the exhaust gas shall be determined by using EPA method 3, EPA method 3A, or EPA method 20. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
34. The owner or operator shall install, operate and maintain in calibration a system which continuously measures and records: control system operating parameters, elapsed time of operation of the turbine, and the fuel consumption and the ratio of water to fuel being fired in the turbine. The system shall be accurate to within + 5% and shall be approved by the administrator. [40 CFR 60.334(a) and (g)] Federally Enforceable Through Title V Permit
35. The steam or water to fuel ratio or other parameters that are continuously monitored, shall be monitored during the performance test required under §60.8, to establish acceptable values and ranges. The owner or operator may supplement the performance test data with engineering analyses, design specifications, manufacturer's recommendations and other relevant information to define the acceptable parametric ranges more precisely. The owner or operator shall develop and keep on-site a parameter monitoring plan which explains the procedures used to document proper operation of the NO_x emission controls. The plan shall include the parameter(s) monitored and the acceptable range(s) of the parameter(s) as well as the basis for designating the parameter(s) and acceptable range(s). Any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information shall be included in the monitoring plan. [District Rule 4703; 40 CFR 60.334(g); and 40 CFR 60.7(c)] Federally Enforceable Through Title V Permit
36. The owner or operator shall report periods of excess emissions that are defined as follows: any one-hour period during which the average water-to-fuel ratio, as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with the NO_x emission limit. Each report shall include the average water-to-fuel ratio, average fuel consumption, ambient conditions, and gas turbine load. [40 CFR 60.334(j)(1)] Federally Enforceable Through Title V Permit
37. 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 NO_x emission 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. [District Rule 4703; 40 CFR 60.344(g) and (j)(1), 335(b) and (c); and 40 CFR 60.13(a)] Federally Enforceable Through Title V Permit
38. The owner shall maintain a stationary gas turbine system operating log that includes: the actual local start-up and stop time; length and reason for reduced load periods; total hours of operation on each fuel, and type and quantity of each fuel used. These records shall be updated daily. [District Rules 2201 and 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.

39. The owner shall maintain a log that shows the following: (a). The combined daily NO_x emissions from permit units N-2246-1 and N-2246-2; (b). The combined daily PM₁₀ emissions from permit units N-2246-1 and N-2246-2; (c). The cumulative quarterly NO_x emissions from permit units N-2246-1 and N-2246-2; (d). The cumulative annual PM₁₀ emissions from this permit unit (N-2246-1). This log shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rule 2201] Federally Enforceable Through Title V Permit
40. The owner or operator shall determine compliance with the sulfur content standard using the following methods: ASTM D129, D2622, D4294, D1266, D5453, D1552, D4084, D5504, D6228, or Gas Processors Association Standard 2377. [40 CFR 60.334(h)(1) and 335(b)(10)] Federally Enforceable Through Title V Permit
41. Transitional Operation Period shall be defined as any of the following periods: bypass transition period, primary re-ignition period, reduced load period, start-up or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
42. Start-up shall be defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation. [District Rule 4703] Federally Enforceable Through Title V Permit
43. Shutdown shall be defined as the period of time during which a unit is taken from an operational to a non-operational status by allowing it to cool down from its operating temperature to ambient temperature as the fuel supply to the unit is completely turned off. [District Rule 4703] Federally Enforceable Through Title V Permit
44. The duration of each startup or shutdown shall not exceed two hours. [District Rule 4703] Federally Enforceable Through Title V Permit
45. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during each transitional operation period. [District Rule 4703] Federally Enforceable Through Title V Permit
46. The operator performing start-up or shutdown of a unit shall keep records of the duration of startup or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
47. The owner or operator shall maintain a stationary gas turbine system operating log, which identifies the date, start time, and end time that the unit was operated pursuant to Section 5.1.3.3 of Rule 4703 (9/20/07); a copy of the ISO or TID emergency declaration for that operation; and a copy of the information used to determine the applicable annual emission fee. [District Rule 4703] Federally Enforceable Through Title V Permit
48. The owner or operator shall maintain a stationary gas turbine system operating log, which identifies the date, start time, and end time that the unit was operated during a state of emergency, when such emergency is declared by proclamation of the Governor and the unit is located in the specific geographic location identified in the proclamation. [District Rule 4703] Federally Enforceable Through Title V Permit
49. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 2201 and 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: N-2246-2-11

EXPIRATION DATE: 09/30/2025

EQUIPMENT DESCRIPTION:

TURBINE/GENERATOR SET #2, 25.8 MW GENERAL ELECTRIC FRAME 5, MODEL PG 5361, NATURAL GAS/FUEL OIL #2 FIRED

PERMIT UNIT REQUIREMENTS

1. This unit is subject to the requirements of 40 CFR Part 60, Subpart GG: Standards of Performance for Stationary Gas Turbines. [District Rule 4001] Federally Enforceable Through Title V Permit
2. The owner shall monitor operational characteristics recommended by the turbine manufacturer or emission control system supplier. [District Rule 4703] Federally Enforceable Through Title V Permit
3. This unit shall be fired on only natural gas or fuel oil #2. The primary fuel shall be natural gas; fuel oil #2 shall be used as a backup fuel only in the event of a natural gas shortage. [District Rule 2201 and 40 CFR 60.331(r)] Federally Enforceable Through Title V Permit
4. This unit shall be fired only on natural gas with a sulfur content not exceeding 1.0 grain of sulfur compounds (as S) per 100 dry standard cubic feet of natural gas. If this is fired on PUC-regulated natural gas, compliance with this sulfur content limit may be demonstrated with fuel receipts. [District Rules 2201 and 4801; Stanislaus County Rule 407; and 40 CFR 60.333(b) and 334(h)(3)] Federally Enforceable Through Title V Permit
5. If this unit is not fired on PUC-regulated natural gas, the sulfur content of each fuel source shall be tested weekly except that if compliance with the fuel sulfur content limit has been demonstrated for eight consecutive weeks for a fuel source, then the testing frequency shall be quarterly. If a test shows noncompliance with the sulfur content requirement, the source must return to weekly testing until compliance is demonstrated for eight consecutive weeks. [40 CFR 60.334(h)] Federally Enforceable Through Title V Permit
6. The sulfur content of fuel oil shall be less than 0.05 percent by weight. [District Rules 4703 and 4801; Stanislaus County Rule 407; and 40 CFR 60.333(b)] Federally Enforceable Through Title V Permit
7. The sulfur content of the fuel oil shall be determined each time fuel is transferred into the on-site storage tank. [40 CFR 60.334(i)] Federally Enforceable Through Title V Permit
8. The operation of this unit shall not exceed 200 hours during any calendar year. Operations during California Independent System Operator (ISO) declared or TID declared emergencies shall not count against the unit's 200 hr/yr operating limit, provided the unit is located in the local area transmission system of the emergency. Operation during a state of emergency declared by proclamation of the Governor also shall not count towards this 200 hr/yr operating limit when the unit is located in the specific geographic location identified in the proclamation. [District Rule 4703] Federally Enforceable Through Title V Permit
9. Total operation of this unit, excluding operation during a state of emergency declared by proclamation of the Governor and when the unit is located in the specific geographic location identified in the proclamation, shall not exceed 877 hours during any calendar year. [District Rule 4703] Federally Enforceable Through Title V Permit
10. No later than April 1 each year, the owner shall pay a fee to the District, calculated in accordance with Section 5.1.3.3.2 of Rule 4703, for operations during an ISO-declared or TID - declared emergency, provided these operating hours are not being counted towards the 200 hr/yr operating limit. [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.

11. When firing on natural gas, NO_x (referenced as NO₂) emissions shall not exceed 25.0 ppmvd @ 15% O₂, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703; and 40 CFR 60.332(b) and 334(j)] Federally Enforceable Through Title V Permit
12. When firing on fuel oil, the NO_x (referenced as NO₂) emissions shall not exceed 42.0 ppmvd @ 15% O₂ and 51 lb/hr, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
13. The NO_x emission concentration shall not exceed 42 ppmvd @ 15% O₂ except during transitional operation period, and the NO_x emission rate shall not exceed 51 pounds in any one hour. [District Rules 2201 and 4703; and 40 CFR 60.332(b) and 334(j)] Federally Enforceable Through Title V Permit
14. The combined NO_x emissions from permit units N-2246-1 and N-2246-2 shall not exceed 1,020 lb/day and shall not exceed 25,551 lb/quarter. [District Rule 2201] Federally Enforceable Through Title V Permit
15. When firing on either natural gas or fuel oil, CO emissions shall not exceed 200 ppmvd @ 15% O₂, except during transitional operation period. Emissions shall be averaged over a three-hour period, using consecutive 15-minute sampling periods. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
16. The cumulative annual CO emissions from permit units N-2246-1 and N-2246-2 shall be less than 200,000 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
17. When firing on either natural gas or fuel oil, VOC emissions shall not exceed 15.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
18. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
19. When firing on natural gas, PM₁₀ emissions shall not exceed 8.60 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
20. When firing on fuel oil, PM₁₀ emissions shall not exceed 20.00 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
21. The combined PM₁₀ emissions from permit units N-2246-1 and N-2246-2 shall not exceed 150 pounds during any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
22. The annual PM₁₀ emissions shall not exceed 7,016 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
23. When firing on natural gas, SO_x emissions shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
24. When firing on fuel oil, SO_x emissions shall not exceed 16.37 lb/hr. [District Rule 2201] Federally Enforceable Through Title V Permit
25. In the event of a natural gas shortage, SO_x emissions from permit units N-2246-1 and N-2246-2 shall not exceed 5,950 pounds during any one month. [District Rule 2201] Federally Enforceable Through Title V Permit
26. Source testing to demonstrate ongoing compliance with the NO_x and CO emission limits for natural gas fuel shall be conducted at least once per 24-month period provided that the unit is operated for a total of less than 877 hours per year. Otherwise, the source testing shall be conducted annually. [District Rules 2201 and 4703] Federally Enforceable Through Title V Permit
27. Source testing to demonstrate compliance with the NO_x and CO emission limits for fuel oil shall be conducted within 30 days of operation on that fuel, unless the unit successfully demonstrated compliance with the NO_x and CO emission limits for fuel oil within the previous 24 months. [District Rules 2201 and 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.

28. 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
29. 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
30. 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 NO_x, CO, and O₂ analyzer during District inspections. The sampling ports shall be located in accordance with the CARB regulation titled California Air Resources Board Air Monitoring Quality Assurance Volume VI, Standard Operating Procedures for Stationary Source Emission Monitoring and Testing. [District Rule 1081] Federally Enforceable Through Title V Permit
31. NO_x emissions (referenced as NO₂) shall be determined using EPA Method 7E or EPA Method 20. The test results shall be corrected to ISO standard conditions as defined in 40 CFR Part 60 Subpart GG Section 60.335. [District Rules 1081, 4001, and 4703] Federally Enforceable Through Title V Permit
32. CO emissions shall be determined using EPA method 10 or EPA method 10B. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
33. Oxygen content of the exhaust gas shall be determined by using EPA method 3, EPA method 3A, or EPA method 20. [District Rules 1081 and 4703] Federally Enforceable Through Title V Permit
34. The owner or operator shall install, operate and maintain in calibration a system which continuously measures and records: control system operating parameters, elapsed time of operation of the turbine, and the fuel consumption and the ratio of water to fuel being fired in the turbine. The system shall be accurate to within + 5% and shall be approved by the administrator. [40 CFR 60.334(a) and (g)] Federally Enforceable Through Title V Permit
35. The steam or water to fuel ratio or other parameters that are continuously monitored, shall be monitored during the performance test required under §60.8, to establish acceptable values and ranges. The owner or operator may supplement the performance test data with engineering analyses, design specifications, manufacturer's recommendations and other relevant information to define the acceptable parametric ranges more precisely. The owner or operator shall develop and keep on-site a parameter monitoring plan which explains the procedures used to document proper operation of the NO_x emission controls. The plan shall include the parameter(s) monitored and the acceptable range(s) of the parameter(s) as well as the basis for designating the parameter(s) and acceptable range(s). Any supplemental data such as engineering analyses, design specifications, manufacturer's recommendations and other relevant information shall be included in the monitoring plan. [District Rule 4703; 40 CFR 60.334(g); and 40 CFR 60.7(c)] Federally Enforceable Through Title V Permit
36. The owner or operator shall report periods of excess emissions that are defined as follows: any one-hour period during which the average water-to-fuel ratio, as measured by the continuous monitoring system, falls below the water-to-fuel ratio determined to demonstrate compliance with the NO_x emission limit. Each report shall include the average water-to-fuel ratio, average fuel consumption, ambient conditions, and gas turbine load. [40 CFR 60.334(j)(1)] Federally Enforceable Through Title V Permit
37. 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 NO_x emission 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. [District Rule 4703; 40 CFR 60.344(g) and (j)(1), 335(b) and (c); and 40 CFR 60.13(a)] Federally Enforceable Through Title V Permit
38. The owner shall maintain a stationary gas turbine system operating log that includes: the actual local start-up and stop time; length and reason for reduced load periods; total hours of operation on each fuel, and type and quantity of each fuel used. These records shall be updated daily. [District Rules 2201 and 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.

39. The owner shall maintain a log that shows the following: (a). The combined daily NO_x emissions from permit units N-2246-1 and N-2246-2; (b). The combined daily PM₁₀ emissions from permit units N-2246-1 and N-2246-2; (c). The cumulative quarterly NO_x emissions from permit units N-2246-1 and N-2246-2; (d). The cumulative annual PM₁₀ emissions from this permit unit (N-2246-1). This log shall contain each calculated emission quantity as well as each process variable used in the respective calculations. [District Rule 2201] Federally Enforceable Through Title V Permit
40. The owner or operator shall determine compliance with the sulfur content standard using the following methods: ASTM D129, D2622, D4294, D1266, D5453, D1552, D4084, D5504, D6228, or Gas Processors Association Standard 2377. [40 CFR 60.334(h)(1) and 335(b)(10)] Federally Enforceable Through Title V Permit
41. Transitional Operation Period shall be defined as any of the following periods: bypass transition period, primary re-ignition period, reduced load period, start-up or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
42. Start-up shall be defined as the period of time during which a unit is brought from a shutdown status to its operating temperature and pressure, including the time required by the unit's emission control system to reach full operation. [District Rule 4703] Federally Enforceable Through Title V Permit
43. Shutdown shall be defined as the period of time during which a unit is taken from an operational to a non-operational status by allowing it to cool down from its operating temperature to ambient temperature as the fuel supply to the unit is completely turned off. [District Rule 4703] Federally Enforceable Through Title V Permit
44. The duration of each startup or shutdown shall not exceed two hours. [District Rule 4703] Federally Enforceable Through Title V Permit
45. The emission control systems shall be in operation and emissions shall be minimized insofar as technologically feasible during each transitional operation period. [District Rule 4703] Federally Enforceable Through Title V Permit
46. The operator performing start-up or shutdown of a unit shall keep records of the duration of startup or shutdown. [District Rule 4703] Federally Enforceable Through Title V Permit
47. The owner or operator shall maintain a stationary gas turbine system operating log, which identifies the date, start time, and end time that the unit was operated pursuant to Section 5.1.3.3 of Rule 4703 (9/20/07); a copy of the ISO or TID emergency declaration for that operation; and a copy of the information used to determine the applicable annual emission fee. [District Rule 4703]
48. The owner or operator shall maintain a stationary gas turbine system operating log, which identifies the date, start time, and end time that the unit was operated during a state of emergency, when such emergency is declared by proclamation of the Governor and the unit is located in the specific geographic location identified in the proclamation. [District Rule 4703] Federally Enforceable Through Title V Permit
49. All records shall be retained for a minimum of five years, and shall be made available for District inspection upon request. [District Rules 2201 and 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: N-2246-8-4

EXPIRATION DATE: 09/30/2025

EQUIPMENT DESCRIPTION:

170 BHP GENERAL MOTORS MODEL VORTEC PROPANE-FIRED EMERGENCY STANDBY IC ENGINE WITH 3-WAY CATALYST POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. This engine shall only be fired on LPG or propane. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with either a positive crankcase ventilation (PCV) system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-selective catalyst installed on the exhaust stack. [District Rule 2201] Federally Enforceable Through Title V Permit
7. The permittee shall install and operate a nonresettable fuel meter and a nonresettable elapsed operating time meter. In lieu of installing a nonresettable fuel meter, the owner or operator may use an alternative device, method, or technique in determining monthly fuel consumption provided that the alternative is approved by the APCO. The owner or operator shall maintain these required meters in proper operating condition. The fuel meter shall be calibrated periodically per the recommendations of the manufacturer. [District Rules 2201 and 4702, and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. Emissions from the engine shall not exceed any of the following limits: 2.3 g-NOx/bhp-hr, 0.064 g-PM10/bhp-hr, 15.3 g-CO/bhp-hr, 0.54 g-VOC/bhp-hr, or 0.0164 lb-SOx/MMBtu. [District Rules 2201 and 4801, and Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
9. This engine shall be operated only for maintenance, testing, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The engine's oil and filter shall be changed every 500 hours of operation or every 12 months, whichever comes first. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The engine's spark plugs shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
13. The engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
16. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
17. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
18. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
20. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702] Federally Enforceable Through Title V Permit
21. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 4702 and 40 CFR 63 Subpart ZZZZ] 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: N-2246-9-4

EXPIRATION DATE: 09/30/2025

EQUIPMENT DESCRIPTION:

170 BHP GENERAL MOTORS INDUSTRIAL POWERTRAIN PROPANE/LPG-FIRED EMERGENCY STANDBY IC ENGINE WITH A JOHNSON MATTHEY MODEL BANDITO NON-SELECTIVE CATALYTIC REDUCTION (NSCR) SYSTEM POWERING AN ELECTRICAL GENERATOR

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. The exhaust stack shall have a flapper-type rain cap and shall vent vertically upward. The vertical exhaust flow shall not be impeded by roof overhang or any other obstruction. [District Rule 4102]
3. This engine shall only be fired on LPG or propane. [District Rule 2201] Federally Enforceable Through Title V Permit
4. 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
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with either a positive crankcase ventilation system that recirculates crankcase emissions into the air intake system for combustion, or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
7. NOx emissions from the exhaust of the NSCR system shall not exceed 0.5 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
8. SOx emissions from the exhaust of the NSCR system shall not exceed 0.067 g/bhp-hr. [District Rules 2201 and 4801, and Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
9. PM10 emissions from the exhaust of the NSCR system shall not exceed 0.076 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
10. CO emissions from the exhaust of the NSCR system shall not exceed 1.7 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
11. VOC emissions from the exhaust of the NSCR system shall not exceed 0.1 g/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
12. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702] Federally Enforceable Through Title V Permit
13. During periods of operation for maintenance, testing, and required regulatory purposes, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
15. This engine shall not be used to produce power for the electrical distribution system, as part of a voluntary utility demand reduction program, or for an interruptible power contract. [District Rule 4702] Federally Enforceable Through Title V Permit
16. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] Federally Enforceable Through Title V Permit
17. The permittee shall maintain monthly records of the type of fuel purchased. [District Rule 4702] Federally Enforceable Through Title V Permit
18. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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

ATTACHMENT C

Detailed Summary List of Facility Permits

Detailed Facility Report

For Facility=2246

Sorted by Facility Name and Permit Number

TURLOCK IRRIGATION DISTRICT 325 S WASHINGTON RD TURLOCK, CA 95380	Fac #: N-2246 Status: A Phone: 2098838300	Type: TitleV Toxic ID: 51653	Expiration: 9/30/2025 Area: 7 / Insp. Date: 06/25
---	--	---	--

Permit #	Fee Description	Fee Rule	Fee Amount	Permit Status	Equipment Description
1-11	25,800 kW	3020-08A F	10,588.00	A	TURBINE/GENERATOR SET #1, 25.8 MW GENERAL ELECTRIC FRAME 5, MODEL PG 5361, NATURAL GAS/FUEL OIL #2 FIRED
2-11	25,800 kW	3020-08A F	10,588.00	A	TURBINE/GENERATOR SET #2, 25.8 MW GENERAL ELECTRIC FRAME 5, MODEL PG 5361, NATURAL GAS/FUEL OIL #2 FIRED
7-1	205 hp IC Engine	3020-10 C	314.00	D	205 HP JOHN DEERE MODEL 6531A DIESEL FIRED EMERGENCY IC ENGINE POWERING A 125 KW KOHLER MODEL 125R081 ELECTRICAL GENERATOR
8-4	170 bhp IC Engine	3020-10 B	155.00	A	170 BHP GENERAL MOTORS MODEL VORTEC PROPANE-FIRED EMERGENCY STANDBY IC ENGINE WITH 3-WAY CATALYST POWERING AN ELECTRICAL GENERATOR
9-4	170 bhp IC Engine	3020-10 B	155.00	A	170 BHP GENERAL MOTORS INDUSTRIAL POWERTRAIN PROPANE/LPG-FIRED EMERGENCY STANDBY IC ENGINE WITH A JOHNSON MATTHEY MODEL BANDITO NON-SELECTIVE CATALYTIC REDUCTION (NSCR) SYSTEM POWERING AN ELECTRICAL GENERATOR

Number of Facilities Reported: 1