



September 13, 2021

Ms. Christine Cowser  
Pacific Gas & Electric Company  
Att: Air Quality Permits  
PO Box 7640  
San Francisco, CA 94120

**Re: Notice of Preliminary Decision – Title V Permit Renewal**  
**Facility Number: N-608**  
**Project Number: N-1201614**

Dear Ms. Cowser:

Enclosed for your review and comment is the District's analysis of the application to renew the Federally Mandated Operating Permit for Pacific Gas & Electric Company at Holt, California.

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

Thank you for your cooperation in this matter. If you have any questions, please contact Mr. 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: Laura Yannayon, EPA (w/enclosure) via EPS

**Samir Sheikh**  
Executive Director/Air Pollution Control Officer

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

## **Proposed Title V Permit Renewal Evaluation Pacific Gas & Electric Company N-608**

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# **TITLE V PERMIT RENEWAL EVALUATION**

## **Natural Gas Storage Facility**

**Engineer:** Jesse A. Garcia  
**Date:** September 9, 2021

**Facility Number:** N-608  
**Facility Name:** Pacific Gas & Electric Company  
**Mailing Address:** PO Box 7640  
San Francisco, CA 94120

**Contact Name:** Christine Cowsert  
**Phone:** (925) 244-4600

**Responsible Official:** Christine Cowsert  
**Title:** Vice President, Gas Asset Management & System Operations

**Project # :** N-1201614  
**Deemed Complete:** May 5, 2020

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### **I. PROPOSAL**

Pacific Gas & Electric Company (PG&E) was issued a Title V permit on July 13, 2011. As required by District Rule 2520, the applicant is requesting a permit renewal. The existing Title V permit shall be reviewed and modified to reflect all applicable District and federal rules updated, removed, or added since the issuance of the renewed Title V permit.

In addition, EPA has provided the District with comments on other Title V permits and indicated that the District was issuing permits without appropriate and practical recordkeeping requirements for annual emissions limitations. According to EPA policy, annual emission limits must be practically enforceable, and goes on to say that to be practically enforceable, annual limits must be enforced on a short-term basis

The District had previously committed to adding permit conditions to require a minimum of 12-month rolling recordkeeping to enforce annual limits in all Title V permits. In accordance with that commitment, the District has developed conditions to address EPA's concerns regarding practically enforceable annual

emission and throughput limits. Therefore, the conditions that have been modified and/or added to the permits at this facility are listed in the following table:

Permits	Conditions
N-608-1-7, -2-7, -3-7, -4-7	5, 19
N-608-13-7, -14-7	4, 14
N-608-15-4	5, 16
N-608-27-4, -28-4, -29-4	4, 20
N-608-32-2	3, 12, 33
N-608-33-2	4, 13, 34
N-608-35-1	8, 12

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**

The facility is located at McDonald Island, Holt, California.

## **III. EQUIPMENT LISTING**

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

## **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

- District Rule 2201, New and Modified Stationary Source Review Rule(amended August 15, 2019)
- District Rule 2520, Federally Mandated Operating Permits (amended August 15, 2019)
- District Rule 4601, Architectural Coatings (amended April 16, 2020)
- District Rule 4702, Internal Combustion Engines (amended August 19, 2021)
- 40 CFR Part 60, Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (amended June 29, 2021)
- 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners (amended March 24, 2021)
- 40 CFR Part 82, Subpart F, Recycling and Emission Reduction (amended April 10, 2020)

### B. Rules Removed

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

### C. Rules Added or Evaluated

- 40 CFR Part 64, Compliance Assurance Monitoring (CAM) (amended October 10, 1997)

### D. Rules Not Updated

- District Rule 1070, Inspections (amended December 17, 1992)
- District Rule 1081, Source Sampling (amended December 16, 1993)
- District Rule 1100, Equipment Breakdown (amended December 17, 1992)
- District Rule 1160, Emission Statements (adopted November 18, 1992)

- District Rule 2010, Permits Required (amended December 17, 1992)
- District Rule 2020, Exemptions (amended December 18, 2014)
- District Rule 2031, Transfer of Permits (amended December 17, 1992)
- District Rule 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 2520, Federally Mandated Operating Permit (amended June 21, 2001)
- District Rule 4101, Visible Emissions (amended February 17, 2005)
- District Rule 4102, Nuisance (amended December 17, 1992)
- District Rule 4201, Particulate Matter Concentration (amended December 17, 1992)
- District Rule 4408, Glycol Dehydration Systems (adopted December 19, 2002)
- District Rule 4621, Gasoline Transfer into Stationary Storage Containers, Delivery Vessels and Bulk Plants (amended December 20, 2007)
- District Rule 4622, Gasoline Transfer into Motor Vehicle Fuel Tanks (amended December 20, 2007)
- District Rule 4623, Storage of Organic Liquids (amended May 19, 2005)
- District Rule 4624, Organic Liquid Loading (amended December 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 8051, Open Areas (amended August 19, 2004)
- District Rule 8061, Paved and Unpaved Roads (amended August 19, 2004)
- District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (amended August 19, 2004)
- 40 CFR Part 63, Subpart ZZZZ, National Emissions Standards of Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (amended February 27, 2014)
- 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**

None

### **B. Rules Not Updated**

**Title 13 California Code of Regulations (CCR), Section 2423 – Exhaust Emission Standards and Test Procedures, Off-Road Compression-Ignition Engines and Equipment (Required by Title 17 CCR, Section 93115 for Emergency Diesel IC Engines)**

The Air Toxic Control Measure (ATCM) is a rule under the California Code of Regulations (CCR) which is the official compilation and publication of the regulations adopted, amended or repealed by state agencies. The purpose of this rule is to reduce diesel particulate matter (PM) and criteria pollutant emissions from stationary diesel-fueled compression ignition engines.

The following table summarizes permit units which have permit conditions which are solely based on this regulation; therefore, these permit conditions are not federally enforceable through Title V.

Permit Unit	Permit Condition #
N-608-13-7 and -14-7	3, 4, 5, 6, 15

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

This rule prevents the discharge from any source whatsoever such quantities of air contaminants or other materials which cause injury, detriment, nuisance or annoyance to any considerable number of persons or to the public or which endanger the comfort, repose, health or safety of any such person or the public or which cause or have a natural tendency to cause injury or damage to business or property.

The following table summarizes permit units which have permit conditions which are solely based on Rule 4102; therefore, these permit conditions are not federally enforceable through Title V.

Permit Unit	Permit Condition #
N-608-0-4	41
N-608-27-4, -28-4, -29-4	5
N-608-35-1	1

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

District Rule 2201 has been amended since the last Title V permit renewal was issued for this facility. 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.

Additionally, conditions 12 and 13 on the draft PTOs permits N-608-25 and -26 are being updated to correct a typographical error.

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

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

**C. District Rule 4601 – Architectural Coatings**

District Rule 4601 was amended on April 16, 2020. However, the amended rule is not SIP-approved by EPA. The previous version of this rule (amended December 17, 2009) is SIP-approved and was addressed by the District's previous permit renewal. Therefore, changes to the rule do not affect the current permit.

**D. District Rule 4702 – Internal Combustion Engines**

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 permit renewal. Therefore, changes to the rule do not affect the current permit.

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

This subpart is potentially applicable to the 625 bhp natural gas-fired IC engines powering emergency generators permitted under N-608-1, -2, -3, and -4, the 1,680 bhp natural gas-fired IC engines powering compressors permitted under N-608-27, -28, and -29, and the 190 bhp natural gas-fired IC engine powering an emergency generator permitted under N-608-35.

In the Title V Renewal project N-1151169, it was determined that the engines permitted under N-608-1, -2, -3, and -4 are not subject to the requirements of this subpart since the engines commenced construction prior to June 12, 2006.

In the Title V Renewal project N-1151169, it was determined that the engines permitted under N-608-27, -28, and -29 are subject to the requirements of this subpart.

In project N-1191250, it was determined that the engine permitted under N-608-35 is subject to the requirements of this subpart.

After the last Title V Renewal issued on July 20, 2016, this subpart was amended:

The amendments to this subpart after the last Title V Renewal and prior to June 29, 2021 apply to reporting and performance testing.

#### 60.4244 Testing Requirements for Owners and Operators

1. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 to this subpart.
2. You must conduct three separate test runs for each performance test required in this section, as specified in §60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.

Permits N-608-27, -28, and -29 will include the following new condition:

- Emissions source testing shall be conducted within 10 percent of 100 percent peak (or the highest achievable) load. [40 CFR 60.4244]

Permits N-608-27, -28, and -29 will include the following existing condition:

- For emissions source testing, the arithmetic average of three 60-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NO<sub>x</sub>, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702 and 40 CFR 60.4244(c)]

The amendments to this subpart on June 29, 2021 are intended to update references without changing standards or other provisions. There are three more substantive changes. The first change applied to the certification procedures used by manufacturers. The second change is allow certification of emissions by manufacturers to 40 CFR part 1054. The third change is to allowable VOC measurement methods allowed for manufacturers. These changes have no impact on the requirements of permits N-608-27, -28, -29, and -35; therefore, no further discussion is required.

Additionally, for the engine permitted under N-608-35, the following conditions were updated to include a reference to 40 CFR 60 Subpart JJJJ as evaluated in project N-1191250:

Permit Unit	Permit Condition #
N-608-35	3, 4, 6, 8, and 11

**F. 40 CFR Part 64 - Compliance Assurance Monitoring**

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

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

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

N-608-1: 625 bhp natural gas-fired ICE powering an emergency generator

N-608-2: 625 bhp natural gas-fired ICE powering an emergency generator

N-608-3: 625 bhp natural gas-fired ICE powering an emergency generator

N-608-4: 625 bhp natural gas-fired ICE powering an emergency generator

N-608-13: 267 bhp diesel-fired emergency ICE powering a fire pump

N-608-14: 267 bhp diesel-fired emergency ICE powering a fire pump

N-608-35: 190 bhp natural gas-fired ICE powering an emergency generator

These engines are not equipped with any add-on control equipment. Therefore, these units are not subject to CAM requirements.

N-608-7, '-24: Natural gas dehydration and odorizing system served by a shared thermal oxidizer

N-608-25, '-26: Natural gas dehydration and odorizing system served by a shared thermal oxidizer

For each set of permits, the combined VOC emissions from the dehydration processes including combustion contaminants from the thermal oxidizer are limited to 1.95 lb/hr. Furthermore, the thermal oxidizer is required to achieve at least 97.5% control for VOC emissions. Using this information, pre-control potential to emit will be:

$$\begin{aligned} &= (1.95 \text{ lb-VOC/hr})(8,760 \text{ hr/yr})/(1- 0.975) \\ &= 683,280 \text{ lb-VOC/year} > 20,000 \text{ lb-VOC/yr (Major Source threshold)} \end{aligned}$$

Therefore, each unit is subject to the CAM requirements, unless it is exempt under 40 CFR 64.2(b).

Section 64.2(b)(1)(vi) states that this part does not apply to emission limitations or standards for which a part 70 or 71 permit specifies a continuous compliance determination method, as defined in §64.1. The exemption provided in this paragraph (b)(1)(vi) shall not apply if the applicable compliance method includes an assumed control device emission reduction factor that could be affected by the actual operation and maintenance of the control device (such as a surface coating line controlled by an incinerator for which continuous compliance is determined by calculating emissions on the basis of coating records and an assumed control device efficiency factor based on an initial performance test; in this example, this part would apply to the control device and capture system, but not to the remaining elements of the coating line, such as raw material usage).

Section 64.1 states continuous compliance determination method means a method, specified by the applicable standard or an applicable permit condition, which:

- (1) Is used to determine compliance with an emission limitation or standard on a continuous basis, consistent with the averaging period established for the emission limitation or standard; and
- (2) Provides data either in units of the standard or correlated directly with the compliance limit.

Thermal oxidizers, as opposed to catalytic oxidizers, typically provide consistent control provided the combustion chamber temperature and the residence time at that temperature are sufficient. Since the operator is required to continuously monitor and record the combustion chamber temperature, which is correlated directly to the VOC emissions, the units are exempt from CAM requirements.

N-608-8: Gasoline dispensing operation with Phase I and Phase II vapor recovery system

This operation is source of VOC emissions. The uncontrolled emissions are estimated as follows:

$$\begin{aligned} &= (17.3 \text{ lb-VOC}/1,000 \text{ gal}^1)(24,000 \text{ gal/yr}) \\ &= 415 \text{ lb-VOC/yr} \end{aligned}$$

Since the pre-control VOC emissions are less than the major source threshold for VOC emissions. Therefore, this operation is not subject to CAM requirements.

N-608-17: 3,500 gallon aboveground methanol storage tank (Whisky Slough station)

This permit does not contain emission limits. Therefore, this unit is not subject to CAM requirements.

N-608-27, '-28, '-29: 1680 bhp natural gas fired IC engines served with NSCR and O2 controller

NOx, CO and VOC:

The engines have emission limits for NOx, CO and VOC emissions. Furthermore, the units are equipped with an NSCR system that is capable of reducing NOx, CO and VOC emissions.

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<sup>1</sup>Tank filling loss + breathing loss + vehicle fueling loss + spillage loss =  $(0.42/(1-0.95) + 0.053 + 0.42/(1-0.95) + 0.42)$  lb-VOC/1,000 gal = 17.3 lb-VOC/1,000 gal; Tank filling loss, breathing loss, vehicle fueling loss and spillage loss emission factors as well as the phase I and phase II control efficiencies (95%) are taken from the Appendix A of the CAPCOA Air Toxics "Hot Spots" Program - Gasoline Service Station Industry wide Risk Assessment Guidelines (November 1997) available at: <http://www.arb.ca.gov/ab2588/rtrap-iwra/GasIWRA.pdf>.

Per project N-1092120, the uncontrolled emissions for NO<sub>x</sub>, CO and VOC are 12.6 g/bhp-hr, 13.8 g/bhp-hr, and 0.36 g/bhp-hr, respectively. The permit limits the engines' operation to 6,600 hr/yr. Thus, pre-control potential for NO<sub>x</sub>, CO and VOC emissions are calculated as follows:

$$\begin{aligned} PE_{NOx} &= (1,680 \text{ bhp})(12.6 \text{ g-NO}_x/\text{bhp-hr})(\text{lb}/453.6 \text{ g})(6,600 \text{ hr/yr}) \\ &= 308,000 \text{ lb-NO}_x/\text{yr} > 20,000 \text{ lb/yr (Major Source threshold)} \end{aligned}$$

$$\begin{aligned} PE_{CO} &= (1,680 \text{ bhp})(13.8 \text{ g-CO/bhp-hr})(\text{lb}/453.6 \text{ g})(6,600 \text{ hr/yr}) \\ &= 337,333 \text{ lb-CO/yr} > 200,000 \text{ lb/yr (Major Source threshold)} \end{aligned}$$

$$\begin{aligned} PE_{VOC} &= (1,680 \text{ bhp})(0.36 \text{ g-CO/bhp-hr})(\text{lb}/453.6 \text{ g})(6,600 \text{ hr/yr}) \\ &= 8,800 \text{ lb-VOC/yr} < 20,000 \text{ lb/yr (Major Source threshold)} \end{aligned}$$

Since the NO<sub>x</sub> and CO emissions are above the respective Major Source threshold, CAM is triggered for NO<sub>x</sub> and CO emissions only, unless it is exempt under 40 CFR 64.2(b).

Section 64.2(b)(1)(vi) states that this part does not apply to emission limitations or standards for which a part 70 or 71 permit specifies a continuous compliance determination method, as defined in §64.1. The exemption provided in this paragraph (b)(1)(vi) shall not apply if the applicable compliance method includes an assumed control device emission reduction factor that could be affected by the actual operation and maintenance of the control device (such as a surface coating line controlled by an incinerator for which continuous compliance is determined by calculating emissions on the basis of coating records and an assumed control device efficiency factor based on an initial performance test; in this example, this part would apply to the control device and capture system, but not to the remaining elements of the coating line, such as raw material usage).

Section 64.1 states continuous compliance determination method means a method, specified by the applicable standard or an applicable permit condition, which:

- (1) Is used to determine compliance with an emission limitation or standard on a continuous basis, consistent with the averaging period established for the emission limitation or standard; and
- (2) Provides data either in units of the standard or correlated directly with the compliance limit.

The non-selective catalytic reduction (NSCR) would be subject to decreased performance over time and therefore a continuous compliance determination

cannot be made. Therefore, this exemption does not apply and CAM for NO<sub>x</sub> and CO is required.

For each engine, PG&E monitors inlet temperature to the catalyst of NSCR system on each day the engine operates. The inlet temperature range is 750°F to 1,250°F.

The following table summarizes the conditions that serve as a mechanism to ensure compliance:

Permit Unit	Permit Condition #
N-608-27, -28, -29	23, 24, 25, 26, 27, 28

SO<sub>x</sub>, PM<sub>10</sub>:

There is no add-on control device for SO<sub>x</sub> and PM<sub>10</sub> emissions. Therefore, CAM will not trigger for SO<sub>x</sub> and PM<sub>10</sub> emissions.

N-608-30: 25,000 gallon condensate storage tank (Turner Cut station)

N-608-31: 25,000 gallon condensate storage tank (Whisky Slough station)

These permit units are source of VOC emissions. Each permit contains parameters that limit VOC emissions. Each unit is equipped with pressure relief valve (PRV). PRV does not constitute a control device because it does not meet the definition of a “control device” (defined in Part 64.1) since it does not destroy or remove air pollutants. Therefore, CAM does not apply to these units.

N-608-32: 2,000 gallon pipeline liquid storage tank and tanker truck loadout

N-608-33: 2,000 gallon pipeline liquid storage tank and tanker truck loadout

These permit units are source of VOC emissions. Each permit contains parameters that limit VOC emissions. Each tank in each permit unit is equipped with pressure relief valve (PRV). PRVs do not constitute a control device because it does not meet the definition of a “control device” (defined in Part 64.1) since it does not destroy or remove air pollutants.

Additionally, the tanker truck loading operation and emissions associated with disconnections are not controlled by a control device. Therefore, CAM does not apply to these units.

**G. 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners**

Per §82.30(a) the purpose of 40 CFR Part 82 Subpart B is to implement section 609 of the Clean Air Act, as amended regarding the servicing of motor vehicle air conditioners (MVACs), and to implement section 608 of the

Clean Air Act regarding certain servicing, maintenance, repair and disposal of air conditioners in MVACs and MVAC-like appliances (as that term is defined in 40 CFR 82.152).

Per §82.30(b) 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 did not have any effect on the current permit requirements and will therefore not be addressed further in this evaluation. The following condition on the draft renewed permit is a mechanism to ensure compliance with the requirements of this subpart:

Permit Unit	Permit Condition #
N-608-0-4	28

#### **H. 40 CFR Part 82, Subpart F, Recycling and Emission Reduction**

Per §82.150(a) the purpose of 40 CFR Part 82 Subpart F is to reduce emissions of class I and class II refrigerants and their substitutes to the lowest achievable level by maximizing the recapture and recycling of such refrigerants during the service, maintenance, repair, and disposal of appliances and restricting the sale of refrigerants consisting in whole or in part of a class I and class II ODS in accordance with Title VI of the Clean Air Act.

Per §82.150(b) these regulations apply to any person servicing, maintaining, or repairing appliances. This subpart also applies to persons disposing of appliances, including small appliances and motor vehicle air conditioners. In addition, this subpart applies to refrigerant reclaimers, technician certifying programs, appliance owners and operators, manufacturers of appliances, manufacturers of recycling and recovery equipment, approved recycling and recovery equipment testing organizations, persons selling class I or class II refrigerants or offering class I or class II refrigerants for sale, and persons purchasing class I or class II refrigerants.

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

The following condition on the draft renewed permit is a mechanism to ensure compliance with the requirements of this subpart:

Permit Unit	Permit Condition #
N-608-0-4	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.

## **X. CALIFORNIA ENVIRONMENTAL QUALITY ACT**

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

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

## **XI. PERMIT CONDITIONS**

See Attachment A - Draft Renewed Title V Operating Permit.

## **ATTACHMENTS**

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

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# ATTACHMENT A

Draft Renewed Title V Operating Permit

---

# San Joaquin Valley Air Pollution Control District

**FACILITY:** N-608-0-4

**EXPIRATION DATE:** 10/31/2020

## FACILITY-WIDE REQUIREMENTS

1. {4362} 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. {4363} 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. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. {4365} Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.8.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit

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: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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

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

22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
23. No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 2 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8021] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8031] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8041] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8051] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8061] Federally Enforceable Through Title V Permit
34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rules 8011 and 8071] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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. {4400} 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. {4401} 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. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
42. On September 30, 2005, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin October 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-608-1-7

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

625 BHP CATERPILLAR MODEL G-398 NATURAL GAS-FIRED EMERGENCY STANDBY IC ENGINE POWERING AN ELECTRICAL GENERATOR (SERIAL # 73B1022) SERVING THE TURNER CUT STATION

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
3. The engine shall be fired solely on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 100 hours in any rolling 12-month period, as determined by an operational nonresettable elapsed operating time meter. [District Rules 2201, 2520, and 4702, 3.15 & 4.2.1] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements, emission control system supplier, or alternative operating and maintenance procedures approved by the District. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the operational characteristics of the engine as recommended by the engine manufacturer, emission control system supplier, or alternative operational characteristics approved by the District. [District Rule 4702] Federally Enforceable Through Title V Permit
8. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills, or maintain PG&E's PUC approved tariff, Gas Rule 21. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. If the engine is fired on natural gas but not 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 8 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 eight consecutive weeks show compliance. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). [District Rules 1070, 2520, 9.4.2 and 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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12. 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
13. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
14. The engine's spark plugs shall be inspected every 1,000 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator 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
18. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 2520] Federally Enforceable Through Title V Permit
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 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-608-2-7

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

625 BHP CATERPILLAR MODEL G-398 NATURAL GAS-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR (SERIAL # 73B1012) SERVING THE TURNER CUT STATION

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
3. The engine shall be fired solely on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 100 hours in any rolling 12-month period, as determined by an operational nonresettable elapsed operating time meter. [District Rules 2201, 2520, and 4702, 3.15 & 4.2.1] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements, emission control system supplier, or alternative operating and maintenance procedures approved by the District. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the operational characteristics of the engine as recommended by the engine manufacturer, emission control system supplier, or alternative operational characteristics approved by the District. [District Rule 4702] Federally Enforceable Through Title V Permit
8. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills, or maintain PG&E's PUC approved tariff, Gas Rule 21. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. If the engine is fired on natural gas but not 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 8 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 eight consecutive weeks show compliance. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). [District Rules 1070, 2520, 9.4.2 and 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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12. 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
13. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
14. The engine's spark plugs shall be inspected every 1,000 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator 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
18. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 2520] Federally Enforceable Through Title V Permit
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 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-608-3-7

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

625 BHP CATERPILLAR MODEL G-398 NATURAL GAS-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR (SERIAL # 73B1020) SERVING THE WHISKY SLOUGH STATION

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
3. The engine shall be fired solely on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 100 hours in any rolling 12-month period, as determined by an operational nonresettable elapsed operating time meter. [District Rules 2201, 2520, and 4702, 3.15 & 4.2.1] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements, emission control system supplier, or alternative operating and maintenance procedures approved by the District. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the operational characteristics of the engine as recommended by the engine manufacturer, emission control system supplier, or alternative operational characteristics approved by the District. [District Rule 4702] Federally Enforceable Through Title V Permit
8. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills, or maintain PG&E's PUC approved tariff, Gas Rule 21. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. If the engine is fired on natural gas but not 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 8 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 eight consecutive weeks show compliance. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). [District Rules 1070, 2520, 9.4.2 and 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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12. 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
13. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
14. The engine's spark plugs shall be inspected every 1,000 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator 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
18. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 2520] Federally Enforceable Through Title V Permit
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 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-608-4-7

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

625 BHP CATERPILLAR MODEL G-398 NATURAL GAS-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR (SERIAL # 73B1025) SERVING THE WHISKY SLOUGH STATION

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
3. The engine shall be fired solely on natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 100 hours in any rolling 12-month period, as determined by an operational nonresettable elapsed operating time meter. [District Rules 2201, 2520, and 4702, 3.15 & 4.2.1] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements, emission control system supplier, or alternative operating and maintenance procedures approved by the District. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the operational characteristics of the engine as recommended by the engine manufacturer, emission control system supplier, or alternative operational characteristics approved by the District. [District Rule 4702] Federally Enforceable Through Title V Permit
8. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills, or maintain PG&E's PUC approved tariff, Gas Rule 21. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. If the engine is fired on natural gas but not 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 8 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 eight consecutive weeks show compliance. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). [District Rules 1070, 2520, 9.4.2 and 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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12. 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
13. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
14. The engine's spark plugs shall be inspected every 1,000 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator 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
18. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 2520] Federally Enforceable Through Title V Permit
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-7-8

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

NATURAL GAS DEHYDRATION SYSTEM (TURNER CUT STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-24) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY AN 11.23 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-24) AND A PERMIT EXEMPT REBOILER (NATURAL GAS FIRED, 5 MMBTU/HR OR LESS) (#1)

## PERMIT UNIT REQUIREMENTS

1. The thermal oxidizer shall be fired solely on PUC quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The thermal oxidizer shall be equipped with an operational temperature indicator at the combustion chamber. The temperature shall be monitored and recorded continuously. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The thermal oxidizer shall be heated to at least 1400 degrees Fahrenheit prior to any contaminated air steam entering the oxidizer, and shall operate at a minimum temperature of 1400 degrees Fahrenheit. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The thermal oxidizer shall operate at all times when dehydration is taking place. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only glycol shall be used as the dehydration medium. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The condensed hydrocarbon liquid stream (if any) from the glycol dehydration vent shall be stored and handled in a manner that will not cause or allow evaporation of VOC to the atmosphere. [District Rule 4408] Federally Enforceable Through Title V Permit
7. The VOC control efficiency of the thermal oxidizer shall not be less than 97.5%. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
9. CO emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
11. SOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined VOC emissions from dehydration units N-608-7 and N-608-24, including the combustion contaminants from the thermal oxidizer, shall not exceed 1.95 pounds per hour. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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13. Source testing to determine the thermal oxidizer VOC control efficiency and the combined VOC emissions from units N-608-7 and '24 shall be conducted at least once every 24-months. [District Rules 1081] Federally Enforceable Through Title V Permit
14. 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
15. 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
16. VOC emissions shall be measured by EPA Method 25, 25A, 25B, 18, or alternate method as approved by the District. [District Rule 1081] Federally Enforceable Through Title V Permit
17. All control systems shall be maintained in a leak-free condition. A leak-free condition is a condition without a gas leak or a liquid leak. Gas leak is defined as a reading as methane in excess of 10,000 ppm above background when measured at the surface of the component interface of the potential source in accordance with the procedure in EPA Method 21. Liquid leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs. [District Rule 4408] Federally Enforceable Through Title V Permit
18. All control system components (i.e., valves, fitting, flanges, etc.) shall be inspected annually via EPA Method 21 (gas leak) and visually (liquid leak) to ensure compliance with leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
19. If any of the control system components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Upon detection of any leaking components, operator shall: (a) eliminate or minimize the leak within 8 hours after detection, (b) if the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices and eliminate the leak within 48 hours after detection. In no event shall the total time to minimize and eliminate the leak exceed 56 hours after detection. [District Rule 2520] Federally Enforceable Through Title V Permit
21. If a component type is found to leak during an annual inspection, then conduct quarterly inspections of that component type for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 2520] Federally Enforceable Through Title V Permit
22. The owner or operator shall keep records for each component inspected: (1) the date, (2) name of component and its location, (3) measured ppmv value, and (4) the name of the operator and the company conducting the leak inspection. [District Rule 1070] Federally Enforceable Through Title V Permit
23. The owner or operator shall maintain an inspection log containing the following: (1) type of component leaking; (2) date and time of leak detection, and method of detection; (3) date and time of leak repair, and emission level of recheck after leak is repaired; (4) method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 1070] Federally Enforceable Through Title V Permit
24. The owner or operator shall maintain monthly records of the amount of gas dehydrated by dehydration units N-608-7 and '24. [District Rules 2201 and 4408] Federally Enforceable Through Title V Permit
25. The owner or operator shall maintain the following records: Facility name, APCD permit number; location, size of glycol dehydrator reboiler (MMBTU/hr), and type of glycol used; description of any installed VOC control system; flow diagram of the dehydrator and any VOC controls; maintenance records of the VOC control system; reports of source tests; all records necessary to document inputs to and outputs of the GRI-GLYCalc software, if used. [District Rule 2201 and 4408] Federally Enforceable Through Title V Permit
26. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4408] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-8-6

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

ONE 1,000 GALLON ABOVEGROUND CONVAULT STORAGE TANK SERVED BY AN EBW COAXIAL PHASE I VAPOR RECOVERY SYSTEM (G-70-116-F) AND ONE FUELING POINT WITH ONE GASOLINE DISPENSING NOZZLE SERVED BY A BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-116-F)

## PERMIT UNIT REQUIREMENTS

1. The Phase I, Phase II and Standing Loss Control vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
2. For Phase I Vapor Recovery System compliance, the gasoline throughput for this permit unit shall not exceed 18,000 gallons in a rolling 12-month basis. If throughput exceeds stated limits, the permittee shall submit a complete application for an Authority to Construct (ATC) to the District within 30 days of the loss of exemption and install and test a certified Phase I EVR vapor recovery system within six (6) months from the date the ATC is issued. [District Rule 4621] Federally Enforceable Through Title V Permit
3. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4622] Federally Enforceable Through Title V Permit
4. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
5. The Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
6. A leak is defined as the dripping of VOC-containing liquid at a rate of more than 3 drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
7. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. In the event of a separation due to a drive off, the permittee shall, unless otherwise specified in the applicable ARB Executive Order, conduct a visual inspection of the affected equipment and either 1) perform qualified repairs on any damaged components and conduct applicable re-verification tests pursuant to the requirements of this permit, or 2) replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified. The activities shall be documented in accordance with the requirements of this permit before placing the affected equipment back in service. [District Rule 4622] Federally Enforceable Through Title V Permit
15. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
16. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6 Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid. The amount of liquid in the vapor path shall be measured by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. The vapor path shall be inspected once per month if monthly throughput is below 2,500 gallons or once per week otherwise. [District Rule 4622] Federally Enforceable Through Title V Permit
17. The permittee shall perform and pass a Static Leak Test for Aboveground Tanks using ARB TP-201.3B or TP-206.3 at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
18. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
19. A person performing installation of, or maintenance on, a certified Phase I or Phase II vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
20. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
21. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
22. The permittee shall maintain a copy of all test results. The test results shall be dated and shall contain the name, address, and telephone number of the company responsible for system installation and testing. [District Rule 4622] Federally Enforceable Through Title V Permit
23. The permittee shall maintain on the premises a log of any repairs made to the certified Phase I or Phase II vapor recovery system. The repair log shall include the following: 1) date and time of each repair; 2) the name and applicable certification numbers of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer; 3) description of service performed; 4) each component that was repaired, serviced, or removed; 5) each component that was installed as replacement, if applicable; and 6) receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622] Federally Enforceable Through Title V Permit
24. The O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request. [District Rule 4622] Federally Enforceable Through Title V Permit
25. The permittee shall maintain records of the monthly and of the rolling 12-month basis gasoline throughput. [District Rules 2201, 4621 and 4622] Federally Enforceable Through Title V Permit
26. All records required by this permit shall be retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2201, 4621, 4622] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-13-7

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

267 BHP CATERPILLAR MODEL 3306-DI TIER 0 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP (SERIAL # 64Z204154)

## PERMIT UNIT REQUIREMENTS

1. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [17 CCR 93115 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours in any rolling 12-month period. [District Rules 2520 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, the date that the fuel was purchased, the signature of the individual that received the fuel and the signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115] Federally Enforceable Through Title V Permit
7. 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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8. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
9. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. 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
11. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The owner or operator 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
13. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 2520] Federally Enforceable Through Title V Permit
15. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 407 (San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-14-7

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

267 BHP CATERPILLAR MODEL 3306-DI TIER 0 DIESEL-FIRED EMERGENCY IC ENGINE POWERING A FIREWATER PUMP (SERIAL # 64Z204157)

## PERMIT UNIT REQUIREMENTS

1. {2414} Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [17 CCR 93115 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours in any rolling 12-month period. [District Rules 2520 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, the date that the fuel was purchased, the signature of the individual that received the fuel and the signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115] Federally Enforceable Through Title V Permit
7. 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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8. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
9. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. 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
11. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The owner or operator 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
13. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 2520] Federally Enforceable Through Title V Permit
15. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 407 (San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-15-4

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

220 BHP CATERPILLAR MODEL G-3306-TA RICH-BURN NATURAL GAS-FIRED EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The engine shall be fired solely on PUC regulated natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 82 hours in any rolling 12-month period, as determined by an operational nonresettable elapsed operating time meter. Should non-emergency operation exceed 82 hours in any rolling 12-month period then current Best Available Control Technology may be required. [District Rules 2201, 2520, and 4702, 3.15 & 4.2.1] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements, emission control system supplier, or alternative operating and maintenance procedures approved by the District. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the operational characteristics of the engine as recommended by the engine manufacturer, emission control system supplier, or alternative operational characteristics approved by the District. [District Rule 4702] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). [District Rules 1070, 2520, 9.4.2 and 4702] Federally Enforceable Through Title V Permit
9. 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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10. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
11. The engine's spark plugs shall be inspected every 1,000 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. 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
13. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. The owner or operator 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. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
16. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 2520] Federally Enforceable Through Title V Permit
17. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 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-608-17-6

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

ONE 3,500 GALLON ABOVEGROUND METHANOL STORAGE TANK (WHISKY SLOUGH STATION)

## PERMIT UNIT REQUIREMENTS

1. {2768} The tank shall be in a gas-tight condition. The pressure-vacuum (PV) relief valve shall be set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in gas-tight condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623, 5.2] Federally Enforceable Through Title V Permit
2. {2602} A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623, 3.9 and 6.4.8] Federally Enforceable Through Title V Permit
3. The permittee shall conduct true vapor pressure (TVP) testing of the organic liquid stored in this tank at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in this tank in order to maintain exemption from the rule. [District Rule 4623, 6.2.2] Federally Enforceable Through Title V Permit
4. {2770} The TVP testing shall be conducted at actual storage temperature of the organic liquid in the tank. If the tank stores crude oil or petroleum distillates, the permittee shall also conduct an API gravity testing. [District Rule 4623, 6.2.1.4] Federally Enforceable Through Title V Permit
5. {2590} For other organic liquids, the true vapor pressure (TVP) shall be measured using Reid vapor pressure ASTM Method D323, and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance of the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulations for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 26 degrees up to 30 degrees may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, 6.4.3] Federally Enforceable Through Title V Permit
6. {2773} Permittee shall submit the records of TVP and API gravity testing to the APCO within 45 days after the date of testing. The records shall include the tank identification number, Permit to Operate number, type of stored organic liquid, TVP and API gravity of the organic liquid, test methods used, and a copy of the test results. [District Rule 4623, 6.3.6] Federally Enforceable Through Title V Permit
7. {2592} As used in this permit, the term "source or type" shall mean liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids stored in this unit to determine which are from common source. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-24-7

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

NATURAL GAS DEHYDRATION SYSTEM (TURNER CUT STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-7) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY AN 11.23 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-7) AND A PERMIT EXEMPT REBOILER (NATURAL GAS FIRED, 5 MMBTU/HR OR LESS) (#2)

## PERMIT UNIT REQUIREMENTS

1. The thermal oxidizer shall be fired solely on PUC quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The thermal oxidizer shall be equipped with an operational temperature indicator at the combustion chamber. The temperature shall be monitored and recorded continuously. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The thermal oxidizer shall be heated to at least 1400 degrees Fahrenheit prior to any contaminated air steam entering the oxidizer, and shall operate at a minimum temperature of 1400 degrees Fahrenheit. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The thermal oxidizer shall operate at all times when dehydration is taking place. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only glycol shall be used as the dehydration medium. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The condensed hydrocarbon liquid stream (if any) from the glycol dehydration vent shall be stored and handled in a manner that will not cause or allow evaporation of VOC to the atmosphere. [District Rule 4408] Federally Enforceable Through Title V Permit
7. The VOC control efficiency of the thermal oxidizer shall not be less than 97.5%. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
9. CO emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
11. SOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined VOC emissions from dehydration units N-608-7 and N-608-24, including the combustion contaminants from the thermal oxidizer, shall not exceed 1.95 pounds per hour. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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13. Source testing to determine the thermal oxidizer VOC control efficiency and the combined VOC emissions from units N-608-7 and '24 shall be conducted at least once every 24-months. [District Rules 1081] Federally Enforceable Through Title V Permit
14. 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
15. 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
16. VOC emissions shall be measured by EPA Method 25, 25A, 25B, 18, or alternate method as approved by the District. [District Rule 1081] Federally Enforceable Through Title V Permit
17. All control systems shall be maintained in a leak-free condition. A leak-free condition is a condition without a gas leak or a liquid leak. Gas leak is defined as a reading as methane in excess of 10,000 ppm above background when measured at the surface of the component interface of the potential source in accordance with the procedure in EPA Method 21. Liquid leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs. [District Rule 4408] Federally Enforceable Through Title V Permit
18. All control system components (i.e., valves, fitting, flanges, etc.) shall be inspected annually via EPA Method 21 (gas leak) and visually (liquid leak) to ensure compliance with leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
19. If any of the control system components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Upon detection of any leaking components, operator shall: (a) eliminate or minimize the leak within 8 hours after detection, (b) if the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices and eliminate the leak within 48 hours after detection. In no event shall the total time to minimize and eliminate the leak exceed 56 hours after detection. [District Rule 2520] Federally Enforceable Through Title V Permit
21. If a component type is found to leak during an annual inspection, then conduct quarterly inspections of that component type for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 2520] Federally Enforceable Through Title V Permit
22. The owner or operator shall keep records for each component inspected: (1) the date, (2) name of component and its location, (3) measured ppmv value, and (4) the name of the operator and the company conducting the leak inspection. [District Rule 1070] Federally Enforceable Through Title V Permit
23. The owner or operator shall maintain an inspection log containing the following: (1) type of component leaking; (2) date and time of leak detection, and method of detection; (3) date and time of leak repair, and emission level of recheck after leak is repaired; (4) method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 1070] Federally Enforceable Through Title V Permit
24. The owner or operator shall maintain monthly records of the amount of gas dehydrated by dehydration units N-608-7 and '24. [District Rules 2201 and 4408] Federally Enforceable Through Title V Permit
25. The owner or operator shall maintain the following records: Facility name, APCD permit number; location, size of glycol dehydrator reboiler (MMBTU/hr), and type of glycol used; description of any installed VOC control system; flow diagram of the dehydrator and any VOC controls; maintenance records of the VOC control system; reports of source tests; all records necessary to document inputs to and outputs of the GRI-GLYCalc software, if used. [District Rule 2201 and 4408] Federally Enforceable Through Title V Permit
26. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4408] Federally Enforceable Through Title V Permit

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-24-7 : Sep 9 2021 9:21AM -- GARCIAJ

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-25-9

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

NATURAL GAS DEHYDRATION SYSTEM (WHISKY SLOUGH STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-26) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY A 11.44 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-26) AND A PERMIT EXEMPT REBOILER (NATURAL GAS FIRED, 5 MMBTU/HR OR LESS) (#3)

## PERMIT UNIT REQUIREMENTS

1. The thermal oxidizer shall be fired solely on PUC quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The thermal oxidizer shall be equipped with an operational temperature indicator at the combustion chamber. The temperature shall be monitored and recorded continuously. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The thermal oxidizer shall be heated to at least 1400 degrees Fahrenheit prior to any contaminated air steam entering the oxidizer, and shall operate at a minimum temperature of 1400 degrees Fahrenheit. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The thermal oxidizer shall operate at all times when dehydration is taking place. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only glycol shall be used as the dehydration medium. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The condensed hydrocarbon liquid stream (if any) from the glycol dehydration vent shall be stored and handled in a manner that will not cause or allow evaporation of VOC to the atmosphere. [District Rule 4408] Federally Enforceable Through Title V Permit
7. The VOC control efficiency of the thermal oxidizer shall not be less than 97.5%. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
9. CO emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
11. SOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined VOC emissions from dehydration units N-608-25 and N-608-26, including the combustion contaminants from the thermal oxidizer, shall not exceed 1.95 pounds per hour. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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13. Source testing to determine the thermal oxidizer VOC control efficiency and the combined VOC emissions from units N-608-25 and '26 shall be conducted at least once every 24-months. [District Rules 1081] Federally Enforceable Through Title V Permit
14. 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
15. 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
16. VOC emissions shall be measured by EPA Method 25, 25A, 25B, 18, or alternate method as approved by the District. [District Rule 1081] Federally Enforceable Through Title V Permit
17. All control systems shall be maintained in a leak-free condition. A leak-free condition is a condition without a gas leak or a liquid leak. Gas leak is defined as a reading as methane in excess of 10,000 ppm above background when measured at the surface of the component interface of the potential source in accordance with the procedure in EPA Method 21. Liquid leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs. [District Rule 4408] Federally Enforceable Through Title V Permit
18. All control system components (i.e., valves, fitting, flanges, etc.) shall be inspected annually via EPA Method 21 (gas leak) and visually (liquid leak) to ensure compliance with leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
19. If any of the control system components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Upon detection of any leaking components, operator shall: (a) eliminate or minimize the leak within 8 hours after detection, (b) if the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices and eliminate the leak within 48 hours after detection. In no event shall the total time to minimize and eliminate the leak exceed 56 hours after detection. [District Rule 2520] Federally Enforceable Through Title V Permit
21. If a component type is found to leak during an annual inspection, then conduct quarterly inspections of that component type for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 2520] Federally Enforceable Through Title V Permit
22. The owner or operator shall keep records for each component inspected: (1) the date, (2) name of component and its location, (3) measured ppmv value, and (4) the name of the operator and the company conducting the leak inspection. [District Rule 1070] Federally Enforceable Through Title V Permit
23. The owner or operator shall maintain an inspection log containing the following: (1) type of component leaking; (2) date and time of leak detection, and method of detection; (3) date and time of leak repair, and emission level of recheck after leak is repaired; (4) method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 1070] Federally Enforceable Through Title V Permit
24. The owner or operator shall maintain monthly records of the amount of gas dehydrated by dehydration units N-608-25 and '26. [District Rules 2201 and 4408] Federally Enforceable Through Title V Permit
25. The owner or operator shall maintain the following records: Facility name, APCD permit number; location, size of glycol dehydrator reboiler (MMBTU/hr), and type of glycol used; description of any installed VOC control system; flow diagram of the dehydrator and any VOC controls; maintenance records of the VOC control system; reports of source tests; all records necessary to document inputs to and outputs of the GRI-GLYCalc software, if used. [District Rule 2201 and 4408] Federally Enforceable Through Title V Permit
26. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4408] Federally Enforceable Through Title V Permit

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-25-9 : Sep 9 2021 9:21AM -- GARCIAJ

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-26-9

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

NATURAL GAS DEHYDRATION SYSTEM (WHISKY SLOUGH STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-25) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY A 11.44 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-25) AND A PERMIT EXEMPT REBOILER (NATURAL GAS FIRED, 5 MMBTU/HR OR LESS) (#4)

## PERMIT UNIT REQUIREMENTS

1. The thermal oxidizer shall be fired solely on PUC quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The thermal oxidizer shall be equipped with an operational temperature indicator at the combustion chamber. The temperature shall be monitored and recorded continuously. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The thermal oxidizer shall be heated to at least 1400 degrees Fahrenheit prior to any contaminated air steam entering the oxidizer, and shall operate at a minimum temperature of 1400 degrees Fahrenheit. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The thermal oxidizer shall operate at all times when dehydration is taking place. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only glycol shall be used as the dehydration medium. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The condensed hydrocarbon liquid stream (if any) from the glycol dehydration vent shall be stored and handled in a manner that will not cause or allow evaporation of VOC to the atmosphere. [District Rule 4408] Federally Enforceable Through Title V Permit
7. The VOC control efficiency of the thermal oxidizer shall not be less than 97.5%. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
9. CO emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
11. SOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined VOC emissions from dehydration units N-608-25 and N-608-26, including the combustion contaminants from the thermal oxidizer, shall not exceed 1.95 pounds per hour. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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13. Source testing to determine the thermal oxidizer VOC control efficiency and the combined VOC emissions from units N-608-25 and '26 shall be conducted at least once every 24-months. [District Rules 1081] Federally Enforceable Through Title V Permit
14. 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
15. 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
16. VOC emissions shall be measured by EPA Method 25, 25A, 25B, 18, or alternate method as approved by the District. [District Rule 1081] Federally Enforceable Through Title V Permit
17. All control systems shall be maintained in a leak-free condition. A leak-free condition is a condition without a gas leak or a liquid leak. Gas leak is defined as a reading as methane in excess of 10,000 ppm above background when measured at the surface of the component interface of the potential source in accordance with the procedure in EPA Method 21. Liquid leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs. [District Rule 4408] Federally Enforceable Through Title V Permit
18. All control system components (i.e., valves, fitting, flanges, etc.) shall be inspected annually via EPA Method 21 (gas leak) and visually (liquid leak) to ensure compliance with leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
19. If any of the control system components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Upon detection of any leaking components, operator shall: (a) eliminate or minimize the leak within 8 hours after detection, (b) if the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices and eliminate the leak within 48 hours after detection. In no event shall the total time to minimize and eliminate the leak exceed 56 hours after detection. [District Rule 2520] Federally Enforceable Through Title V Permit
21. If a component type is found to leak during an annual inspection, then conduct quarterly inspections of that component type for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 2520] Federally Enforceable Through Title V Permit
22. The owner or operator shall keep records for each component inspected: (1) the date, (2) name of component and its location, (3) measured ppmv value, and (4) the name of the operator and the company conducting the leak inspection. [District Rule 1070] Federally Enforceable Through Title V Permit
23. The owner or operator shall maintain an inspection log containing the following: (1) type of component leaking; (2) date and time of leak detection, and method of detection; (3) date and time of leak repair, and emission level of recheck after leak is repaired; (4) method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 1070] Federally Enforceable Through Title V Permit
24. The owner or operator shall maintain monthly records of the amount of gas dehydrated by dehydration units N-608-25 and '26. [District Rules 2201 and 4408] Federally Enforceable Through Title V Permit
25. The owner or operator shall maintain the following records: Facility name, APCD permit number; location, size of glycol dehydrator reboiler (MMBTU/hr), and type of glycol used; description of any installed VOC control system; flow diagram of the dehydrator and any VOC controls; maintenance records of the VOC control system; reports of source tests; all records necessary to document inputs to and outputs of the GRI-GLYCalc software, if used. [District Rule 2201 and 4408] Federally Enforceable Through Title V Permit
26. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4408] Federally Enforceable Through Title V Permit

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-27-4

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

1,680 BHP WAUKESHA MODEL L7044GSI NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) AND AN O2 CONTROLLER POWERING A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-7)

## 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. Total sulfur content of natural gas combusted shall not exceed 1.0 grain/100 scf. The owner or operator shall perform total fuel sulfur analysis annually using EPA Method 11 or EPA Method 15, or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. The results of fuel sulfur analysis shall be kept and made available to the District upon request. [District Rules 2201, 4702 and 4801] Federally Enforceable Through Title V Permit
3. 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 a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine annual fuel usage. [District Rule 4702, 5.6.6] Federally Enforceable Through Title V Permit
4. The engine shall not operate more than 6,600 hours in any rolling 12-month period. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
5. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702, 6.5.6] Federally Enforceable Through Title V Permit
7. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the District no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For modifications, the I&M plan shall be submitted to and approved by the District prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702, 6.5.9] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed any of the following limits: 5 ppmvd NOx @ 15% O2, 0.011 g-SOx/bhp-hr, 0.02 g-PM10/bhp-hr, 56 ppmvd CO @ 15% O2, or 25 ppmvd VOC @ 15% O2. [District Rules 2201 and 4702 and 40 CFR 60.4233(e)] Federally Enforceable Through Title V Permit
9. Source testing to measure the NOx, CO, and VOC emissions from this unit shall be conducted at least once every 8,760 hours of operation or at least once every 24 months, whichever comes first. [District Rule 4702 and 40 CFR Part 60.4243(b)(2)(ii)] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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10. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rules 4702, 6.3.3] Federally Enforceable Through Title V Permit
11. Each source test shall be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 of 40 CFR Part 60 Subpart JJJJ. [40 CFR 60.4244(a)] Federally Enforceable Through Title V Permit
12. For emissions source testing, the arithmetic average of three 60-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NO<sub>x</sub>, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702 and 40 CFR 60.4244(c)] Federally Enforceable Through Title V Permit
13. The following test methods shall be used (or any other method approved by EPA and the APCO): NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 25A or 25B, or ARB Method 100. [District Rules 1081 and 4702, 6.4] Federally Enforceable Through Title V Permit
14. 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
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081 and 40 CFR 60.4245(d)] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4702, 5.6, 6.5.2 and 6.5.3, 40 CFR Part 64] Federally Enforceable Through Title V Permit
17. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least 5 readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4702, 5.6.9 and 6.5.7, 40 CFR Part 64] Federally Enforceable Through Title V Permit
18. If either the NO<sub>x</sub> or CO concentrations corrected to 15% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate that a violation subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 4702, 5.6, 6.5.4, and 6.5.5, 40 CFR Part 64] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 15% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4702, 5.6.5 and 6.5.8, 40 CFR Part 64] 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.

20. The permittee shall maintain an engine operating log to demonstrate compliance. The log shall include the hours of operation on a rolling 12-month basis, the type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. The log shall be updated at least at least weekly. [District Rules 2520 and 4702, 6.2.1] Federally Enforceable Through Title V Permit
21. The operator shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 60.4243(b)(2)(ii)] Federally Enforceable Through Title V Permit
22. The air-to-fuel ratio controller shall be maintained and operated appropriately in order to ensure in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR Part 60.4243(g)] Federally Enforceable Through Title V Permit
23. Except for startup and shutdown, inlet temperature to the catalyst of the NSCR system shall be maintained between 750°F and 1250°F. [40 CFR Part 64] Federally Enforceable Through Title V Permit
24. The permittee shall record inlet temperature to the catalyst of the NSCR system on each day the engine operates. [40 CFR Part 64] Federally Enforceable Through Title V Permit
25. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
26. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
27. The permittee shall comply with the record keeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4702, 6.2.2, 40 CFR Part 64] 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-608-28-4

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

1,680 BHP WAUKESHA MODEL L7044GSI NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) AND AN O2 CONTROLLER POWERING A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-8)

## 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. Total sulfur content of natural gas combusted shall not exceed 1.0 grain/100 scf. The owner or operator shall perform total fuel sulfur analysis annually using EPA Method 11 or EPA Method 15, or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. The results of fuel sulfur analysis shall be kept and made available to the District upon request. [District Rules 2201, 4702 and 4801] Federally Enforceable Through Title V Permit
3. 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 a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine annual fuel usage. [District Rule 4702, 5.6.6] Federally Enforceable Through Title V Permit
4. The engine shall not operate more than 6,600 hours in any rolling 12-month period. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
5. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702, 6.5.6] Federally Enforceable Through Title V Permit
7. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the District no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For modifications, the I&M plan shall be submitted to and approved by the District prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702, 6.5.9] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed any of the following limits: 5 ppmvd NOx @ 15% O2, 0.011 g-SOx/bhp-hr, 0.02 g-PM10/bhp-hr, 56 ppmvd CO @ 15% O2, or 25 ppmvd VOC @ 15% O2. [District Rules 2201 and 4702 and 40 CFR 60.4233(e)] Federally Enforceable Through Title V Permit
9. Source testing to measure the NOx, CO, and VOC emissions from this unit shall be conducted at least once every 8,760 hours of operation or at least once every 24 months, whichever comes first. [District Rule 4702 and 40 CFR Part 60.4243(b)(2)(ii)] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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10. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rules 4702, 6.3.3] Federally Enforceable Through Title V Permit
11. Each source test shall be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 of 40 CFR Part 60 Subpart JJJJ. [40 CFR 60.4244(a)] Federally Enforceable Through Title V Permit
12. For emissions source testing, the arithmetic average of three 60-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NO<sub>x</sub>, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702 and 40 CFR 60.4244(c)] Federally Enforceable Through Title V Permit
13. The following test methods shall be used (or any other method approved by EPA and the APCO): NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 25A or 25B, or ARB Method 100. [District Rules 1081 and 4702, 6.4] Federally Enforceable Through Title V Permit
14. 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
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081 and 40 CFR 60.4245(d)] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4702, 5.6, 6.5.2 and 6.5.3, 40 CFR Part 64] Federally Enforceable Through Title V Permit
17. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least 5 readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4702, 5.6.9 and 6.5.7, 40 CFR Part 64] Federally Enforceable Through Title V Permit
18. If either the NO<sub>x</sub> or CO concentrations corrected to 15% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate that a violation subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 4702, 5.6, 6.5.4 and 6.5.5, 40 CFR Part 64] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 15% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4702, 5.6.5 and 6.5.8, 40 CFR Part 64] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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20. The permittee shall maintain an engine operating log to demonstrate compliance. The log shall include the hours of operation on a rolling 12-month basis, the type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. The log shall be updated at least at least weekly. [District Rules 2520 and 4702, 6.2.1] Federally Enforceable Through Title V Permit
21. The operator shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 60.4243(b)(2)(ii)] Federally Enforceable Through Title V Permit
22. The air-to-fuel ratio controller shall be maintained and operated appropriately in order to ensure in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR Part 60.4243(g)] Federally Enforceable Through Title V Permit
23. Except for startup and shutdown, inlet temperature to the catalyst of the NSCR system shall be maintained between 750°F and 1250°F. [40 CFR Part 64] Federally Enforceable Through Title V Permit
24. The permittee shall record inlet temperature to the catalyst of the NSCR system on each day the engine operates. [40 CFR Part 64] Federally Enforceable Through Title V Permit
25. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
26. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
27. The permittee shall comply with the record keeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4702, 6.2.2, 40 CFR Part 64] 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-608-29-4

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

1,680 BHP WAUKESHA MODEL L7044GSI NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) AND AN O2 CONTROLLER POWERING A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-9)

## 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. Total sulfur content of natural gas combusted shall not exceed 1.0 grain/100 scf. The owner or operator shall perform total fuel sulfur analysis annually using EPA Method 11 or EPA Method 15, or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. The results of fuel sulfur analysis shall be kept and made available to the District upon request. [District Rules 2201, 4702 and 4801] Federally Enforceable Through Title V Permit
3. 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 a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine annual fuel usage. [District Rule 4702, 5.6.6] Federally Enforceable Through Title V Permit
4. The engine shall not operate more than 6,600 hours in any rolling 12-month period. [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
5. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702, 6.5.6] Federally Enforceable Through Title V Permit
7. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the District no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For modifications, the I&M plan shall be submitted to and approved by the District prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702, 6.5.9] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed any of the following limits: 5 ppmvd NOx @ 15% O2, 0.011 g-SOx/bhp-hr, 0.02 g-PM10/bhp-hr, 56 ppmvd CO @ 15% O2, or 25 ppmvd VOC @ 15% O2. [District Rules 2201 and 4702 and 40 CFR 60.4233(e)] Federally Enforceable Through Title V Permit
9. Source testing to measure the NOx, CO, and VOC emissions from this unit shall be conducted at least once every 8,760 hours of operation or at least once every 24 months, whichever comes first. [District Rule 4702 and 40 CFR Part 60.4243(b)(2)(ii)] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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10. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rules 4702, 6.3.3] Federally Enforceable Through Title V Permit
11. Each source test shall be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 of 40 CFR Part 60 Subpart JJJJ. [40 CFR 60.4244(a)] Federally Enforceable Through Title V Permit
12. For emissions source testing, the arithmetic average of three 60-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NO<sub>x</sub>, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702 and 40 CFR 60.4244(c)] Federally Enforceable Through Title V Permit
13. The following test methods shall be used (or any other method approved by EPA and the APCO): NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 25A or 25B, or ARB Method 100. [District Rules 1081 and 4702, 6.4] Federally Enforceable Through Title V Permit
14. 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
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081 and 40 CFR 60.4245(d)] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4702, 5.6, 6.5.2 and 6.5.3, 40 CFR Part 64] Federally Enforceable Through Title V Permit
17. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least 5 readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4702, 5.6.9 and 6.5.7, 40 CFR Part 64] Federally Enforceable Through Title V Permit
18. If either the NO<sub>x</sub> or CO concentrations corrected to 15% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate that a violation subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 4702, 5.6, 6.5.4 and 6.5.5, 40 CFR Part 64] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 15% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4702, 5.6.5 and 6.5.8, 40 CFR Part 64] 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.

20. The permittee shall maintain an engine operating log to demonstrate compliance. The log shall include the hours of operation on a rolling 12-month basis, the type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. The log shall be updated at least at least weekly. [District Rules 2520 and 4702, 6.2.1] Federally Enforceable Through Title V Permit
21. The operator shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 60.4243(b)(2)(ii)] Federally Enforceable Through Title V Permit
22. The air-to-fuel ratio controller shall be maintained and operated appropriately in order to ensure in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR Part 60.4243(g)] Federally Enforceable Through Title V Permit
23. Except for startup and shutdown, inlet temperature to the catalyst of the NSCR system shall be maintained between 750°F and 1250°F. [40 CFR Part 64] Federally Enforceable Through Title V Permit
24. The permittee shall record inlet temperature to the catalyst of the NSCR system on each day the engine operates. [40 CFR Part 64] Federally Enforceable Through Title V Permit
25. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
26. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
27. The permittee shall comply with the record keeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4702, 6.2.2, 40 CFR Part 64] 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-608-30-4

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

27,000 GALLON NOMINAL (27,707 GALLON GAUGE) CONDENSATE STORAGE TANK (TURNER CUT STATION)

## PERMIT UNIT REQUIREMENTS

1. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 1.2 psia under all storage conditions. [District Rules 2201, 4623 and 4624] Federally Enforceable Through Title V Permit
2. Daily fluid throughput of the tank shall not exceed 840 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The owner or operator shall determine TVP at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in the tank. The records of TVP testing shall be submitted within 45 days after the date of testing. The records shall include the tank identification number, permit number, type of stored organic liquid, TVP of the stored organic liquid, test methods used, and a copy of the test results. [District Rules 4623 and 4624] Federally Enforceable Through Title V Permit
4. TVP shall be determined at actual storage temperature of the organic liquid in the tank. [District Rules 4623 and 4624] Federally Enforceable Through Title V Permit
5. TVP of the organic liquid shall be determined by measuring the RVP using ASTM D 323-94 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "ARB Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. Should the permittee want to use different methodology, then that methodology should be first approved by the District and or the EPA. [District Rule 4623] Federally Enforceable Through Title V Permit
6. The owner or operator shall keep records of the date, name of the organic liquid stored, measured organic liquid RVP, calculated TVP and storage temperature when samples are taken. [District Rule 4623] Federally Enforceable Through Title V Permit
7. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in leak-free condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623] Federally Enforceable Through Title V Permit
8. This tank shall be operated in a leak-free condition, except as allowed by Section 5.2 and applicable provisions of Table 3 through Table 5, and Section 5.7.5.4 of Rule 4623. A leak-free condition means a condition without a gas leak or a liquid leak. Gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. Liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. [District Rule 4623] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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9. The fixed-roof tank under this permit is a part of Voluntary Tank Preventive Inspection and Maintenance, and Tank Interior Cleaning Program. Failure to comply with applicable requirements of Table 3 and Section 5.7.5 shall be deemed to be a violation of the provisions of Rule 4623 (5/19/05). [District Rule 4623] Federally Enforceable Through Title V Permit
10. The owner or operator shall notify the District in writing at least three days prior to performing interior tank cleaning activities. Written notification shall include the following information: (a). Permit to Operate number, (b) the date and time that tank cleaning activities will begin, (c) the method to be used to clean the tank, including any solvents to be used, and (d) the method to be used to dispose of the removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623] Federally Enforceable Through Title V Permit
11. The owner or operator shall maintain records of tank cleaning activities for a period of 5 years and present these records to the District upon records. Records should include the final details of the planned activities submitted pursuant to section 5.7.5.1 (in the above condition). [District Rule 4623] Federally Enforceable Through Title V Permit
12. The owner or operator shall comply with the requirements of Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) during the process of draining and refilling the tank with an organic liquid having TVP of 0.5 psia or greater. [District Rule 4623] Federally Enforceable Through Title V Permit
13. The requirements of Section 5.1 (i.e., use of pressure-vacuum relief valve) and Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) shall not apply to the tank during interior cleaning or maintenance activities. [District Rule 4623] Federally Enforceable Through Title V Permit
14. While performing tank cleaning activities, owner or operator may use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees Fahrenheit, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams per liter VOC content or less. [District Rule 4623] Federally Enforceable Through Title V Permit
15. Steam cleaning shall be allowed at locations where wastewater treatment facilities are limited or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Tank(s) containing an organic liquid with a TVP of 1.5 psia or greater shall control emissions from the removed sludge by complying with all of the following provisions: (a) During sludge removal the operator shall control emissions from the receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95 percent, (b) Operators shall transport removed sludge in closed, liquid leak-free containers, and (c) Notwithstanding item b, operator shall store removed sludge, until final disposal, in leak-free containers, or tanks complying with Section 5.1 requirements of Rule 4623 (i.e., use of pressure-vacuum relief valve). Sludge that is to be used to manufacture roadmix, as defined in Rule 2020 (Exemptions), is exempt from this requirement. Roadmix manufacturing operations exempt pursuant to Rule 2020, shall maintain documentation of their compliance with Rule 2020, and promptly make said documentation available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
17. Hatch, tank seals and seams, cable seals, piping components directly affixed to the tank and within five feet of the tank, including but not limited to valves, flanges, connectors etc. shall be inspected annually using a portable hydrocarbon detection instrument in accordance with EPA Method 21 for components in gas service, visual inspection for components in liquid service, or visual or ultrasonic testing (as appropriate) for external shells and roofs of uninsulated tanks for structural integrity of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
18. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

19. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
20. For leaking components, the operator shall immediately affix a tag and maintain records of liquid leak and gas leak detection readings, date/time leak was discovered, date/time the component was repaired to a leak-free condition, and method used to minimize the gas leak to the lowest possible level within 8 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
21. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines shall not constitute a violation of the District Rule 4623. However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
22. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 4623] Federally Enforceable Through Title V Permit
23. Any component affixed to the tank or within 5 feet of the tank that is found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rule 4623] Federally Enforceable Through Title V Permit
24. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623] 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-608-31-4

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

27,000 GALLON NOMINAL (27,707 GALLON GAUGE) CONDENSATE STORAGE TANK (WHISKY SLOUGH STATION)

## PERMIT UNIT REQUIREMENTS

1. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 1.2 psia under all storage conditions. [District Rules 2201, 4623 and 4624] Federally Enforceable Through Title V Permit
2. Daily fluid throughput of the tank shall not exceed 840 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The owner or operator shall determine TVP at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in the tank. The records of TVP testing shall be submitted within 45 days after the date of testing. The records shall include the tank identification number, permit number, type of stored organic liquid, TVP of the stored organic liquid, test methods used, and a copy of the test results. [District Rules 4623 and 4624] Federally Enforceable Through Title V Permit
4. TVP shall be determined at actual storage temperature of the organic liquid in the tank. [District Rules 4623 and 4624] Federally Enforceable Through Title V Permit
5. TVP of the organic liquid shall be determined by measuring the RVP using ASTM D 323-94 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "ARB Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. Should the permittee want to use different methodology, then that methodology should be first approved by the District and or the EPA. [District Rule 4623] Federally Enforceable Through Title V Permit
6. The owner or operator shall keep records of the date, name of the organic liquid stored, measured organic liquid RVP, calculated TVP and storage temperature when samples are taken. [District Rule 4623] Federally Enforceable Through Title V Permit
7. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in leak-free condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623] Federally Enforceable Through Title V Permit
8. This tank shall be operated in a leak-free condition, except as allowed by Section 5.2 and applicable provisions of Table 3 through Table 5, and Section 5.7.5.4 of Rule 4623. A leak-free condition means a condition without a gas leak or a liquid leak. Gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. Liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. [District Rule 4623] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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9. The fixed-roof tank(s) under this permit is a part of Voluntary Tank Preventive Inspection and Maintenance, and Tank Interior Cleaning Program. Failure to comply with applicable requirements of Table 3 and Section 5.7.5 shall be deemed to be a violation of the provisions of Rule 4623 (5/19/05). [District Rule 4623] Federally Enforceable Through Title V Permit
10. The owner or operator shall notify the District in writing at least three days prior to performing interior tank cleaning activities. Written notification shall include the following information: (a). Permit to Operate number, (b) the date and time that tank cleaning activities will begin, (c) the method to be used to clean the tank, including any solvents to be used, and (d) the method to be used to dispose of the removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623] Federally Enforceable Through Title V Permit
11. The owner or operator shall maintain records of tank cleaning activities for a period of 5 years and present these records to the District upon records. Records should include the final details of the planned activities submitted pursuant to section 5.7.5.1 (in the above condition). [District Rule 4623] Federally Enforceable Through Title V Permit
12. The owner or operator shall comply with the requirements of Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) during the process of draining and refilling the tank with an organic liquid having TVP of 0.5 psia or greater. [District Rule 4623] Federally Enforceable Through Title V Permit
13. The requirements of Section 5.1 (i.e., use of pressure-vacuum relief valve) and Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) shall not apply to the tank during interior cleaning or maintenance activities. [District Rule 4623] Federally Enforceable Through Title V Permit
14. While performing tank cleaning activities, owner or operator may use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees Fahrenheit, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams per liter VOC content or less. [District Rule 4623] Federally Enforceable Through Title V Permit
15. Steam cleaning shall be allowed at locations where wastewater treatment facilities are limited or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Tank(s) containing an organic liquid with a TVP of 1.5 psia or greater shall control emissions from the removed sludge by complying with all of the following provisions: (a) During sludge removal the operator shall control emissions from the receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95 percent, (b) Operators shall transport removed sludge in closed, liquid leak-free containers, and (c) Notwithstanding item b, operator shall store removed sludge, until final disposal, in leak-free containers, or tanks complying with Section 5.1 requirements of Rule 4623 (i.e., use of pressure-vacuum relief valve). Sludge that is to be used to manufacture roadmix, as defined in Rule 2020 (Exemptions), is exempt from this requirement. Roadmix manufacturing operations exempt pursuant to Rule 2020, shall maintain documentation of their compliance with Rule 2020, and promptly make said documentation available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
17. Hatch, tank seals and seams, cable seals, piping components directly affixed to the tank and within five feet of the tank, including but not limited to valves, flanges, connectors etc. shall be inspected annually using a portable hydrocarbon detection instrument in accordance with EPA Method 21 for components in gas service, visual inspection for components in liquid service, or visual or ultrasonic testing (as appropriate) for external shells and roofs of uninsulated tanks for structural integrity of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
18. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

19. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
20. For leaking components, the operator shall immediately affix a tag and maintain records of liquid leak and gas leak detection readings, date/time leak was discovered, date/time the component was repaired to a leak-free condition, and method used to minimize the gas leak to the lowest possible level within 8 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
21. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines shall not constitute a violation of the District Rule 4623. However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
22. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 4623] Federally Enforceable Through Title V Permit
23. Any component affixed to the tank or within 5 feet of the tank that is found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rule 4623] Federally Enforceable Through Title V Permit
24. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623] Federally Enforceable Through Title V Permit

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-31-4 : Sep 9 2021 9:22AM -- GARCIAJ

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-32-2

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

PIPELINE LIQUID TRANSFER, STORAGE, AND LOADOUT OPERATION CONSISTING OF A 2,000 GALLON CONVAULT ABOVEGROUND FIXED ROOF STORAGE TANK (D-10) EQUIPPED WITH A PRESSURE VACUUM RELIEF VALVE, AND TANKER TRUCK LOADOUT EQUIPMENT

## PERMIT UNIT REQUIREMENTS

1. The Reid vapor pressure (RVP) of the organic stored in the tank shall not exceed 3.3 psia. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
2. The organic liquid transfer into the tank shall not exceed either of the following limits: 900 gallons/day and 16,000 gallons/year (12-month rolling basis). [District Rule 2201] Federally Enforceable Through Title V Permit
3. VOC emissions from transferring and storage of organic liquid in the tank shall not exceed either of the following limits: 1.9 lb/day and 58 lb/year (12-month rolling basis). [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
4. The owner or operator shall determine TVP at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in the tank. The records of TVP testing shall be submitted within 45 days after the date of testing. The records shall include the tank identification number, permit number, type of stored organic liquid, TVP of the stored organic liquid, test methods used, and a copy of the test results. [District Rule 4623] Federally Enforceable Through Title V Permit
5. TVP shall be determined at actual storage temperature of the organic liquid in the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
6. TVP of the organic liquid shall be determined by measuring the RVP using ASTM D 323-94 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "ARB Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. Should the permittee want to use different methodology, then that methodology should be first approved by the District and or the EPA. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
7. The pressure-vacuum relief valve shall be set to within 10 percent of the maximum allowable working pressure of the tank. The pressure-vacuum relief valve shall be permanently labeled with the operating pressure settings. The pressure-vacuum relief valve shall be properly installed and maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in leak-free condition except when the operating pressure exceeds the valve set pressure. [District Rule 4623] Federally Enforceable Through Title V Permit
8. VOC emissions from tanker truck loading operation shall not exceed 0.9 lb/1,000 gallons of pipeline condensate liquid loaded. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The organic liquid loading into tanker truck(s) shall not exceed either of the following limits: 2,000 gallons/day and 16,000 gallons/year (12-month rolling basis). [District Rules 2201 and 4624] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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10. The organic liquid drainage from disconnections associated with the tanker truck loadout equipment shall not exceed 10 mL per disconnect. [District Rule 2201] Federally Enforceable Through Title V Permit
11. The total number of disconnects shall not exceed either of the following limits: 3 disconnects/day and 24 disconnects/year (12-month rolling basis). [District Rule 2201] Federally Enforceable Through Title V Permit
12. Fugitive VOC emissions from components (i.e., valves and connectors on the piping downstream of the pipeline liquid collection points (i.e., separators and scrubbers) to the storage tank, including the liquid collection point outlet valves) used to route the organic liquid into the tank shall not exceed either of the following limits: 5.7 lb/day and 2,063 lb/year (12-month rolling basis). [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
13. Fugitive VOC emissions shall be calculated using the EPA "Protocol for Equipment Leak Emissions Estimates (EPA-453/R-95-017 (November 1995), Table 2-1, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Except as otherwise provided in this permit, all piping, valves, and fittings under this permit shall be constructed and maintained in a leak-free condition. Leak free condition is defined as a condition without a gas leak or a liquid leak. [District Rule 2201] Federally Enforceable Through Title V Permit
15. A leak-free condition is a condition without a gas leak or a liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with the procedures specified in EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
16. All piping, fittings, and valves under this permit shall be inspected annually to ensure compliance with leak-free condition. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The fixed-roof tank under this permit is a part of Voluntary Tank Preventive Inspection and Maintenance, and Tank Interior Cleaning Program. Failure to comply with applicable requirements of Table 3 and Section 5.7.5 shall be a violation of the provisions of Rule 4623 (5/19/05). [District Rule 4623] Federally Enforceable Through Title V Permit
18. The owner or operator shall notify the District in writing at least three days prior to performing interior tank cleaning activities. Written notification shall include the following information: (a). Permit to Operate number, (b) the date and time that tank cleaning activities will begin, (c) the method to be used to clean the tank, including any solvents to be used, and (d) the method to be used to dispose of the removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623] Federally Enforceable Through Title V Permit
19. The owner or operator shall maintain records of tank cleaning activities for a period of 5 years and present these records to the District upon records. Records should include the final details of the planned activities submitted pursuant to section 5.7.5.1 (in the above condition). [District Rule 4623] Federally Enforceable Through Title V Permit
20. The owner or operator shall comply with the requirements of Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) during the process of draining and refilling the tank with an organic liquid having TVP of 0.5 psia or greater. [District Rule 4623] Federally Enforceable Through Title V Permit
21. The requirements of Section 5.1 (i.e., use of pressure-vacuum relief valve) and Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) shall not apply to the tank during interior cleaning or maintenance activities. [District Rule 4623] Federally Enforceable Through Title V Permit
22. While performing tank cleaning activities, owner or operator may use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees Fahrenheit, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams per liter VOC content or less. [District Rule 4623] Federally Enforceable Through Title V Permit
23. Steam cleaning shall be allowed at locations where wastewater treatment facilities are limited or during the months of December through March. [District Rule 4623] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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24. Tank containing an organic liquid with a TVP of 1.5 psia or greater shall control emissions from the removed sludge by complying with all of the following provisions: (a) During sludge removal the operator shall control emissions from the receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95 percent, (b) Operators shall transport removed sludge in closed, liquid leak-free containers, and (c) Notwithstanding item b, operator shall store removed sludge, until final disposal, in leak-free containers, or tanks complying with Section 5.1 requirements of Rule 4623 (i.e., use of pressure-vacuum relief valve). Sludge that is to be used to manufacture roadmix, as defined in Rule 2020 (Exemptions), is exempt from this requirement. Roadmix manufacturing operations exempt pursuant to Rule 2020, shall maintain documentation of their compliance with Rule 2020, and promptly make said documentation available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
25. Hatch, tank seals and seams, cable seals, piping components directly affixed to the tank and within five feet of the tank, including but not limited to valves, flanges, connectors etc. shall be inspected annually using a portable hydrocarbon detection instrument in accordance with EPA Method 21 for components in gas service, visual inspection for components in liquid service, or visual or ultrasonic testing (as appropriate) for external shells and roofs of uninsulated tanks for structural integrity of the tank. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
26. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
27. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
28. For leaking components, the operator shall immediately affix a tag and maintain records of liquid leak and gas leak detection readings, date/time leak was discovered, date/time the component was repaired to a leak-free condition, and method used to minimize the gas leak to the lowest possible level within 8 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
29. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines shall not constitute a violation of the District Rule 4623. However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
30. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
31. Any component affixed to the tank or within 5 feet of the tank that is found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
32. All components greater than 5 feet from the tank and within 60 ft of the D-10 tank equipment that are found leaking shall be tagged and repaired or replaced within 72 hours of detection. The repaired or replaced equipment must be re-inspected to ensure compliance with leak-free condition. [District Rule 2201] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

33. For the components covered under this permit, the owner or operator shall keep records of the type of component, number of components, emission factors, total daily (pounds per day) and annual VOC emissions (pounds per 12-month rolling period). [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
34. For each component inspected, the owner or operator shall keep records of the date, name of component, its location, measured ppmv value, the name of the operator and the company conducting the leak inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
35. The owner or operator shall keep records of the date, name of the organic liquid stored in tank D-10, measured organic liquid RVP, calculated TVP and storage temperature when samples are taken. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
36. The owner or operator shall keep records of: a.) date, b.) amount of organic liquid transferred into the tank D-10 (gallons/day), c.) amount of organic liquid transferred into the tank D-10 (gallons/month), and d.) cumulative total amount of organic liquid transferred into the tank in a consecutive 12-month rolling period. [District Rule 2201] Federally Enforceable Through Title V Permit
37. The owner or operator shall keep records of: a.) date, b.) number of disconnects (disconnects/day), c.) number of disconnects (gallons/month), and d.) cumulative total number of disconnects in a consecutive 12-month rolling period. [District Rule 2201] Federally Enforceable Through Title V Permit
38. The owner or operator shall keep records of: a.) date, b.) amount of organic liquid loaded into a tanker truck (gallons/day), c.) amount of organic liquid loaded into a tanker truck (gallons/month), and d.) cumulative total amount of organic liquid loaded into a tanker truck in a consecutive 12-month rolling period. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
39. All records shall be retained for a minimum of five years and shall be made available to the District, ARB, or EPA during normal business hours and submitted upon request. [District Rules 2201, 4623 and 4624] 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-608-33-2

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

PIPELINE LIQUID TRANSFER, STORAGE, AND LOADOUT OPERATION CONSISTING OF A 2,000 GALLON CONVAULT ABOVEGROUND FIXED ROOF STORAGE TANK (D-1A) EQUIPPED WITH A PRESSURE VACUUM RELIEF VALVE, AND TANKER TRUCK LOADOUT EQUIPMENT

## PERMIT UNIT REQUIREMENTS

1. Tank breather vent setting shall be -0.31 psig vacuum and +0.90 psig. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The Reid vapor pressure (RVP) of the organic stored in the tank shall not exceed 3.3 psia. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
3. The organic liquid transfer into the tank shall not exceed either of the following limits: 900 gallons/day and 16,000 gallons/year (12-month rolling basis). [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOC emissions from transferring and storage of organic liquid in the tank shall not exceed either of the following limits: 1.8 lb/day and 25 lb/year (12-month rolling basis). [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
5. The owner or operator shall determine at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in the tank. The records of TVP testing shall be submitted within 45 days after the date of testing. The records shall include the tank identification number, permit number, type of stored organic liquid, TVP of the stored organic liquid, test methods used, and a copy of the test results. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
6. TVP shall be determined at actual storage temperature of the organic liquid in the tank. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
7. TVP of the organic liquid shall be determined by measuring the RVP using ASTM D 323-94 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "ARB Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. Should the permittee want to use different methodology, then that methodology should be first approved by the District and or the EPA. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
8. The pressure-vacuum relief valve shall be set to within 10 percent of the maximum allowable working pressure of the tank. The pressure-vacuum relief valve shall be permanently labeled with the operating pressure settings. The pressure-vacuum relief valve shall be properly installed and maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in leak-free condition except when the operating pressure exceeds the valve set pressure. [District Rule 4623] Federally Enforceable Through Title V Permit
9. VOC emissions from tanker truck loading operation shall not exceed 1.0 lb/1,000 gallons of pipeline condensate liquid loaded. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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10. The organic liquid loading into tanker truck(s) shall not exceed either of the following limits: 2,000 gallons/day and 16,000 gallons/year (12-month rolling basis). [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
11. The organic liquid drainage from disconnections associated with the tanker truck loadout equipment shall not exceed 10 mL per disconnect. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The total number of disconnects shall not exceed either of the following limits: 3 disconnects/day and 24 disconnects/year (12-month rolling basis). [District Rule 2201] Federally Enforceable Through Title V Permit
13. Fugitive VOC emissions from components (i.e., valves and connectors on the piping downstream of the pipeline liquid collection points (i.e., separators and scrubbers) to the storage tank, including the liquid collection point outlet valves) shall not exceed either of the following limits: 3.3 lb/day and 1,175 lb/year (12-month rolling basis). [District Rules 2201 and 2520] Federally Enforceable Through Title V Permit
14. Fugitive VOC emissions shall be calculated using the EPA "Protocol for Equipment Leak Emissions Estimates (EPA-453/R-95-017 (November 1995), Table 2-1, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Except as otherwise provided in this permit, all piping, valves, and fittings under this permit shall be constructed and maintained in a leak-free condition. Leak free condition is defined as a condition without a gas leak or a liquid leak. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
16. A leak-free condition is a condition without a gas leak or a liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with the procedures specified in EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. A gas leak or a liquid leak is a violation of this permit and Rule 4623. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
17. All piping, fittings, and valves under this permit shall be inspected annually to ensure compliance with leak-free condition. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
18. The fixed-roof tank under this permit is a part of Voluntary Tank Preventive Inspection and Maintenance, and Tank Interior Cleaning Program. Failure to comply with applicable requirements of Table 3 and Section 5.7.5 shall be a violation of the provisions of Rule 4623 (5/19/05). [District Rule 4623] Federally Enforceable Through Title V Permit
19. The owner or operator shall notify the District in writing at least three days prior to performing interior tank cleaning activities. Written notification shall include the following information: (a). Permit to Operate number, (b) the date and time that tank cleaning activities will begin, (c) the method to be used to clean the tank, including any solvents to be used, and (d) the method to be used to dispose of the removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623] Federally Enforceable Through Title V Permit
20. The owner or operator shall maintain records of tank cleaning activities for a period of 5 years and present these records to the District upon records. Records should include the final details of the planned activities submitted pursuant to section 5.7.5.1 (in the above condition). [District Rule 4623] Federally Enforceable Through Title V Permit
21. The owner or operator shall comply with the requirements of Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) during the process of draining and refilling the tank with an organic liquid having TVP of 0.5 psia or greater. [District Rule 4623] Federally Enforceable Through Title V Permit
22. The requirements of Section 5.1 (i.e., use of pressure-vacuum relief valve) and Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) shall not apply to the tank during interior cleaning or maintenance activities. [District Rule 4623] Federally Enforceable Through Title V Permit
23. While performing tank cleaning activities, owner or operator may use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees Fahrenheit, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams per liter VOC content or less. [District Rule 4623] 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. Steam cleaning shall be allowed at locations where wastewater treatment facilities are limited or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit
25. Tank containing an organic liquid with a TVP of 1.5 psia or greater shall control emissions from the removed sludge by complying with all of the following provisions: (a) During sludge removal the operator shall control emissions from the receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95 percent, (b) Operators shall transport removed sludge in closed, liquid leak-free containers, and (c) Notwithstanding item b, operator shall store removed sludge, until final disposal, in leak-free containers, or tanks complying with Section 5.1 requirements of Rule 4623 (i.e., use of pressure-vacuum relief valve). Sludge that is to be used to manufacture roadmix, as defined in Rule 2020 (Exemptions), is exempt from this requirement. Roadmix manufacturing operations exempt pursuant to Rule 2020, shall maintain documentation of their compliance with Rule 2020, and promptly make said documentation available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
26. Hatch, tank seals and seams, cable seals, piping components directly affixed to the tank and within five feet of the tank, including but not limited to valves, flanges, connectors etc. shall be inspected annually using a portable hydrocarbon detection instrument in accordance with EPA Method 21 for components in gas service, visual inspection for components in liquid service, or visual or ultrasonic testing (as appropriate) for external shells and roofs of uninsulated tanks for structural integrity of the tank. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
27. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
28. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
29. For leaking components, the operator shall immediately affix a tag and maintain records of liquid leak and gas leak detection readings, date/time leak was discovered, date/time the component was repaired to a leak-free condition, and method used to minimize the gas leak to the lowest possible level within 8 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
30. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines shall not constitute a violation of the District Rule 4623. However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
31. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
32. Any component affixed to the tank or within 5 feet of the tank that is found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
33. All components greater than 5 feet from the tank and within 60 ft of the D-1A tank equipment that are found leaking shall be tagged and repaired or replaced within 72 hours of detection. The repaired or replaced equipment must be re-inspected to ensure compliance with leak-free condition. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

34. For the components covered under this permit, the owner or operator shall keep records of the type of component, number of components, emission factors, total daily (pounds per day) and annual VOC emissions (pounds per rolling 12-month period). [District Rule 2201] Federally Enforceable Through Title V Permit
35. For each component inspected, the owner or operator shall keep records of the date, name of component, its location, measured ppmv value, the name of the operator and the company conducting the leak inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
36. The owner or operator shall keep records of the date, name of the organic liquid stored in tank D-1A, measured organic liquid RVP, calculated TVP and storage temperature when samples are taken. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
37. The owner or operator shall keep records of: a.) date, b.) amount of organic liquid transferred into the tank D-1A (gallons/day), c.) amount of organic liquid transferred into the tank D-1A (gallons/month), and d.) cumulative total amount of organic liquid transferred into the tank in a consecutive 12-month rolling period. [District Rule 2201] Federally Enforceable Through Title V Permit
38. The owner or operator shall keep records of: a.) date, b.) number of disconnects (disconnects/day), c.) number of disconnects (gallons/month), and d.) cumulative total number of disconnects in a consecutive 12-month rolling period. [District Rule 2201] Federally Enforceable Through Title V Permit
39. The owner or operator shall keep records of: a.) date, b.) amount of organic liquid loaded into a tanker truck (gallons/day), c.) amount of organic liquid loaded into a tanker truck (gallons/month), and d.) cumulative total amount of organic liquid loaded into a tanker truck in a consecutive 12-month rolling period. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
40. All records shall be retained for a minimum of five years and shall be made available to the District, ARB, or EPA during normal business hours and submitted upon request. [District Rules 2201, 4623 and 4624] 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-608-35-1

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

190 BHP POWER SOLUTIONS INTERNATIONAL, INC. MODEL 8.8L T RICH-BURN NATURAL GAS FIRED  
EMERGENCY STANDBY IC ENGINE POWERING A KOHLER MODEL 125REZGC ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

1. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Emissions from this IC engine shall not exceed any of the following limits: 0.116 g-NOx/bhp-hr, 0.063 g-PM10/bhp-hr, 0.276 g-CO/bhp-hr, or 0.099 g-VOC/bhp-hr. [District Rule 2201 and 40 CFR 60 Subpart JJJJ] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 40 CFR 60 Subpart JJJJ] Federally Enforceable Through Title V Permit
5. This engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements, emission control system supplier, or alternative operating and maintenance procedures approved by the District. [District Rule 4702 and 40 CFR 60 Subpart JJJJ] Federally Enforceable Through Title V Permit
7. 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
8. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours in any rolling 12-month period. [District Rules 2520 and 4702 and 40 CFR 60 Subpart JJJJ] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
10. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 40 CFR 60 Subpart JJJJ] Federally Enforceable Through Title V Permit
12. On a monthly basis, the permittee shall calculate and record the hours of operation for the rolling 12 month period. The hours of operation shall be calculated by summing the hours of operation from the previous 12 months. [District Rule 2520] Federally Enforceable Through Title V Permit
13. 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.

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# ATTACHMENT B

Previous Title V Operating Permit

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# San Joaquin Valley Air Pollution Control District

**FACILITY:** N-608-0-3

**EXPIRATION DATE:** 10/31/2020

## FACILITY-WIDE REQUIREMENTS

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; 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: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-0-3 : Sep 9 2021 9:25AM - GARCIAJ

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. On September 30, 2005, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report begin October 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-608-1-6

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

625 BHP CATERPILLAR MODEL G-398 NATURAL GAS FIRED IC ENGINE POWERING AN EMERGENCY GENERATOR (SERIAL # 73B1022) SERVING THE TURNER CUT STATION

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
3. The engine shall be fired solely on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 100 hours per year, as determined by an operational nonresettable elapsed operating time meter. [District NSR Rule and District Rule 4702, 3.15 & 4.2.1] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements or emission control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the operational characteristics of the engine as recommended by the engine manufacturer or emission control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
8. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills, or maintain PG&E's PUC approved tariff, Gas Rule 21. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. If the engine is fired on natural gas but not 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 8 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 eight consecutive weeks show compliance. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). [District Rules 1070, 2520, 9.4.2 and 4702] Federally Enforceable Through Title V Permit
12. 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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13. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
14. The engine's spark plugs shall be inspected every 1,000 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator 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
18. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 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-608-2-6

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

625 BHP CATERPILLAR MODEL G-398 NATURAL GAS FIRED IC ENGINE POWERING AN EMERGENCY GENERATOR (SERIAL # 73B1012) SERVING THE TURNER CUT STATION

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
3. The engine shall be fired solely on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 100 hours per year, as determined by an operational nonresettable elapsed operating time meter. [District NSR Rule and District Rule 4702, 3.15 & 4.2.1] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements or emission control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the operational characteristics of the engine as recommended by the engine manufacturer or emission control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
8. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills, or maintain PG&E's PUC approved tariff, Gas Rule 21. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. If the engine is fired on natural gas but not 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 8 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 eight consecutive weeks show compliance. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). [District Rules 1070, 2520, 9.4.2 and 4702] Federally Enforceable Through Title V Permit
12. 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-2-6 : Sep 9 2021 9:25AM - GARCIAJ

13. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
14. The engine's spark plugs shall be inspected every 1,000 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator 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
18. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 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-608-3-6

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

625 BHP CATERPILLAR MODEL G-398 NATURAL GAS FIRED IC ENGINE POWERING AN EMERGENCY GENERATOR (SERIAL # 73B1020) SERVING THE WHISKY SLOUGH STATION

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
3. The engine shall be fired solely on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 100 hours per year, as determined by an operational nonresettable elapsed operating time meter. [District NSR Rule and District Rule 4702, 3.15 & 4.2.1] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements or emission control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the operational characteristics of the engine as recommended by the engine manufacturer or emission control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
8. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills, or maintain PG&E's PUC approved tariff, Gas Rule 21. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. If the engine is fired on natural gas but not 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 8 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 eight consecutive weeks show compliance. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). [District Rules 1070, 2520, 9.4.2 and 4702] Federally Enforceable Through Title V Permit
12. 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.

13. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
14. The engine's spark plugs shall be inspected every 1,000 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator 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
18. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 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-608-4-6

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

625 BHP CATERPILLAR MODEL G-398 NATURAL GAS FIRED IC ENGINE POWERING AN EMERGENCY GENERATOR (SERIAL # 73B1025) SERVING THE WHISKY SLOUGH STATION

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. Sulfur compound emissions shall not exceed 0.2% by volume, 2000 ppmv, on a dry basis averaged over 15 consecutive minutes. [Stanislaus County Rule 407] Federally Enforceable Through Title V Permit
3. The engine shall be fired solely on natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 100 hours per year, as determined by an operational nonresettable elapsed operating time meter. [District NSR Rule and District Rule 4702, 3.15 & 4.2.1] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements or emission control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the operational characteristics of the engine as recommended by the engine manufacturer or emission control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
8. If the IC engine is fired on PUC-regulated natural gas, then maintain on file copies of all natural gas bills, or maintain PG&E's PUC approved tariff, Gas Rule 21. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit
9. If the engine is not fired on PUC-regulated natural gas, then the sulfur content of the natural gas being fired in the IC engine shall be determined using ASTM method D 1072, D 3031, D 4084 or D 3246. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
10. If the engine is fired on natural gas but not 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 8 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 eight consecutive weeks show compliance. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit
11. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). [District Rules 1070, 2520, 9.4.2 and 4702] Federally Enforceable Through Title V Permit
12. 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.

13. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
14. The engine's spark plugs shall be inspected every 1,000 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. 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
16. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
17. The owner or operator 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
18. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
19. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 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-608-7-7

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

NATURAL GAS DEHYDRATION SYSTEM (TURNER CUT STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-24) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY AN 11.23 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-24) AND A PERMIT EXEMPT REBOILER (#1)

## PERMIT UNIT REQUIREMENTS

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1. The thermal oxidizer shall be fired solely on PUC quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The thermal oxidizer shall be equipped with an operational temperature indicator at the combustion chamber. The temperature shall be monitored and recorded continuously. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The thermal oxidizer shall be heated to at least 1400 degrees Fahrenheit prior to any contaminated air steam entering the oxidizer, and shall operate at a minimum temperature of 1400 degrees Fahrenheit. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The thermal oxidizer shall operate at all times when dehydration is taking place. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only glycol shall be used as the dehydration medium. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The condensed hydrocarbon liquid stream (if any) from the glycol dehydration vent shall be stored and handled in a manner that will not cause or allow evaporation of VOC to the atmosphere. [District Rule 4408] Federally Enforceable Through Title V Permit
7. The VOC control efficiency of the thermal oxidizer shall not be less than 97.5%. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
9. CO emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
11. SOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined VOC emissions from dehydration units N-608-7 and N-608-24, including the combustion contaminants from the thermal oxidizer, shall not exceed 1.95 pounds per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Source testing to determine the thermal oxidizer VOC control efficiency and the combined VOC emissions from units N-608-7 and '24 shall be conducted at least once every 24-months. [District Rules 1081] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-7-7 : Sep 9 2021 9:26AM - GARCIAJ

14. 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
15. 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
16. VOC emissions shall be measured by EPA Method 25, 25A, 25B, or 18. [District Rule 1081] Federally Enforceable Through Title V Permit
17. All control systems shall be maintained in a leak-free condition. A leak-free condition is a condition without a gas leak or a liquid leak. Gas leak is defined as a reading as methane in excess of 10,000 ppm above background when measured at the surface of the component interface of the potential source in accordance with the procedure in EPA Method 21. Liquid leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs. [District Rule 4408] Federally Enforceable Through Title V Permit
18. All control system components (i.e., valves, fitting, flanges, etc.) shall be inspected annually via EPA Method 21 (gas leak) and visually (liquid leak) to ensure compliance with leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
19. If any of the control system components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Upon detection of any leaking components, operator shall: (a) eliminate or minimize the leak within 8 hours after detection, (b) if the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices and eliminate the leak within 48 hours after detection. In no event shall the total time to minimize and eliminate the leak exceed 56 hours after detection. [District Rule 2520] Federally Enforceable Through Title V Permit
21. If a component type is found to leak during an annual inspection, then conduct quarterly inspections of that component type for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 2520] Federally Enforceable Through Title V Permit
22. The owner or operator shall keep records for each component inspected: (1) the date, (2) name of component and its location, (3) measured ppmv value, and (4) the name of the operator and the company conducting the leak inspection. [District Rule 1070] Federally Enforceable Through Title V Permit
23. The owner or operator shall maintain an inspection log containing the following: (1) type of component leaking; (2) date and time of leak detection, and method of detection; (3) date and time of leak repair, and emission level of recheck after leak is repaired; (4) method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 1070] Federally Enforceable Through Title V Permit
24. The owner or operator shall maintain monthly records of the amount of gas dehydrated by dehydration units N-608-7 and '-24. [District Rules 2201 and 4408] Federally Enforceable Through Title V Permit
25. The owner or operator shall maintain the following records: Facility name, APCD permit number; location, size of glycol dehydrator reboiler (MMBTU/hr), and type of glycol used; description of any installed VOC control system; flow diagram of the dehydrator and any VOC controls; maintenance records of the VOC control system; reports of source tests; all records necessary to document inputs to and outputs of the GRI-GLYCalc software, if used. [District Rule 2201 and 4408] Federally Enforceable Through Title V Permit
26. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4408] 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-608-8-5

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

ONE 1,000 GALLON ABOVEGROUND CONVAULT STORAGE TANK SERVED BY AN EBW COAXIAL PHASE I VAPOR RECOVERY SYSTEM (G-70-116-F) AND ONE FUELING POINT WITH ONE GASOLINE DISPENSING NOZZLE SERVED BY A BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-116-F).

## PERMIT UNIT REQUIREMENTS

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1. The Phase I, Phase II and Standing Loss Control vapor recovery systems shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Orders specified in this permit, including applicable rules and regulations of the Division of Measurement Standards of the Department of Food and Agriculture, the Office of the State Fire Marshal of the Department of Forestry and Fire Protection, the Division of Occupational Safety and Health of the Department of Industrial Relations, and the Division of Water Quality of the State Water Resources Control Board that have been made conditions of the certification. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
2. For Phase I Vapor Recovery System compliance, the gasoline throughput for this permit unit shall not exceed 18,000 gallons in a rolling 12-month basis. If throughput exceeds stated limits, the permittee shall submit a complete application for an Authority to Construct (ATC) to the District within 30 days of the loss of exemption and install and test a certified Phase I EVR vapor recovery system within six (6) months from the date the ATC is issued. [District Rule 4621] Federally Enforceable Through Title V Permit
3. This gasoline storage and dispensing equipment shall not be used in retail sales, where gasoline dispensed by the unit is subject to payment of California sales tax on gasoline sales. [District Rule 4622] Federally Enforceable Through Title V Permit
4. The storage container(s) shall be installed, maintained, and operated such that they are leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
5. The Phase I and Phase II vapor recovery systems and gasoline dispensing equipment shall be maintained without leaks as determined in accordance with the test method specified in this permit. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
6. A leak is defined as the dripping of VOC-containing liquid at a rate of more than 3 drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
7. No gasoline delivery vessel shall be operated or be allowed to operate unless valid State of California decals are displayed on the cargo container, which attest to the vapor integrity of the container. [District Rule 4621] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. In the event of a separation due to a drive off, the permittee shall, unless otherwise specified in the applicable ARB Executive Order, conduct a visual inspection of the affected equipment and either 1) perform qualified repairs on any damaged components and conduct applicable re-verification tests pursuant to the requirements of this permit, or 2) replace the affected nozzles, coaxial hoses, breakaway couplings, and any other damaged components with new or certified rebuilt components that are ARB certified. The activities shall be documented in accordance with the requirements of this permit before placing the affected equipment back in service. [District Rule 4622] Federally Enforceable Through Title V Permit
15. The permittee shall conduct all periodic vapor recovery system performance tests specified in this permit, no more than 30 days before or after the required compliance testing date, unless otherwise required under the applicable ARB Executive Order. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
16. For certified Phase II vapor recovery systems with liquid removal devices, the permittee shall perform and pass an ARB TP-201.6 Liquid Removal Test whenever the liquid in the vapor path exceeds 100 ml of liquid. The amount of liquid in the vapor path shall be measured by lowering the gasoline dispensing nozzle into a container until such time that no more liquid drains from the nozzle. The amount of liquid drained into the container shall be measured using a graduated cylinder or graduated beaker. The vapor path shall be inspected once per month if monthly throughput is below 2,500 gallons or once per week otherwise. [District Rule 4622] Federally Enforceable Through Title V Permit
17. The permittee shall perform and pass a Static Leak Test for Aboveground Tanks using ARB TP-201.3B or TP-206.3 at least once every 12 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
18. A person conducting testing of, or repairs to, a certified vapor recovery system shall be in compliance with District Rule 1177 (Gasoline Dispensing Facility Tester Certification). [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
19. A person performing installation of, or maintenance on, a certified Phase I or Phase II vapor recovery system shall be certified by the ICC for Vapor Recovery System Installation and Repair, or work under the direct and personal supervision of an individual physically present at the work site who is certified. The ICC certification shall be renewed every 24 months. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
20. Proof of the ICC certification and all other certifications required by the Executive Order and installation and operation manual shall be made available onsite. [District Rules 4621 and 4622] Federally Enforceable Through Title V Permit
21. The permittee shall notify the District at least 7 days prior to each performance test. The test results shall be submitted to the District no later than 30 days after the completion of each test. [District Rule 4621] Federally Enforceable Through Title V Permit
22. The permittee shall maintain a copy of all test results. The test results shall be dated and shall contain the name, address, and telephone number of the company responsible for system installation and testing. [District Rule 4622] Federally Enforceable Through Title V Permit
23. The permittee shall maintain on the premises a log of any repairs made to the certified Phase I or Phase II vapor recovery system. The repair log shall include the following: 1) date and time of each repair; 2) the name and applicable certification numbers of the person(s) who performed the repair, and if applicable, the name, address and phone number of the person's employer; 3) description of service performed; 4) each component that was repaired, serviced, or removed; 5) each component that was installed as replacement, if applicable; and 6) receipts or other documents for parts used in the repair and, if applicable, work orders which shall include the name and signature of the person responsible for performing the repairs. [District Rule 4622] Federally Enforceable Through Title V Permit
24. The O&M manual shall be kept at the dispensing operation and made available to any person who operates, inspects, maintains, repairs, or tests the equipment at the operation as well as to District personnel upon request. [District Rule 4622] Federally Enforceable Through Title V Permit
25. The permittee shall maintain records of the monthly and of the rolling 12-month basis gasoline throughput. [District Rules 2201, 4621 and 4622] Federally Enforceable Through Title V Permit
26. All records required by this permit shall be retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rules 2201, 4621, 4622] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-13-6

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

267 BHP CATERPILLAR MODEL 3306-DI DIESEL FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP (SERIAL # 64Z204154).

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [17 CCR 93115 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, the date that the fuel was purchased, the signature of the individual that received the fuel and the signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115] Federally Enforceable Through Title V Permit
7. 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-13-6 : Sep 9 2021 9:26AM -- GARCIAJ

8. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
9. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. 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
11. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The owner or operator 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
13. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 407 (San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-14-6

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

267 BHP CATERPILLAR MODEL 3306-DI DIESEL FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP (SERIAL # 64Z204157).

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.1] Federally Enforceable Through Title V Permit
2. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
3. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [17 CCR 93115 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. This engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. For testing purposes, the engine shall only be operated the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems", 1998 edition. Total hours of operation for all maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
6. The permittee shall maintain monthly records of the type of fuel purchased, the amount of fuel purchased, the date that the fuel was purchased, the signature of the individual that received the fuel and the signature of the fuel supplier indicating that the fuel was delivered. [17 CCR 93115] Federally Enforceable Through Title V Permit
7. 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-14-6 : Sep 9 2021 9:26AM -- GARCIAJ

8. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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
9. The engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. 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
11. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
12. The owner or operator 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
13. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4702, 17 CCR 93115, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
15. Compliance with permit conditions in the Title V permit shall be deemed compliance with the following subsumed requirements: County Rule 407 (San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit

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

INSPECTION  
EXPIRATION DATE: 10/31/2020  
WORKSHEET**LEGAL OWNER OR OPERATOR:** PACIFIC GAS & ELECTRIC CO.**MAILING ADDRESS:** ATTN: AIR QUALITY PERMITS  
PO BOX 7640  
SAN FRANCISCO, CA 94120**LOCATION:** MCDONALD ISLAND COMPRESSOR STATION  
HOLT, CA 95234**INSPECT PROGRAM PARTICIPANT:** NO**EQUIPMENT DESCRIPTION:**

220 BHP NATURAL GAS FIRED RICH BURN EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR

## CONDITIONS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201, 3.0] Federally Enforceable Through Title V Permit
2. The engine shall be equipped with a positive crankcase ventilation (PCV) system or a crankcase emissions control device of at least 90% control efficiency. [District NSR Rule] Federally Enforceable Through Title V Permit
3. The engine shall be fired solely on PUC regulated natural gas. [District NSR Rule] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine shall be operated only for maintenance, testing, and required regulatory purposes, and during emergency situations. Operation of the engine for maintenance and testing purposes shall not exceed 82 hours per year, as determined by an operational nonresettable elapsed operating time meter. Should non-emergency operation exceed 82 hours in any one year then current Best Available Control Technology may be required. [District NSR Rule and District Rules 2201, 4702, 3.15 & 4.2.1] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements or emission control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. The permittee shall monitor the operational characteristics of the engine as recommended by the engine manufacturer or emission control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
8. The permittee shall maintain records of the hours of emergency and non-emergency operation and of the type of fuel used. Operation records shall include the date, the number of hours of operation, and the purpose of the operation (e.g., load testing, weekly testing, rolling blackout, general area power outage, etc.). [District Rules 1070, 2520, 9.4.2 and 4702] Federally Enforceable Through Title V Permit
9. 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
10. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 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

- INSPECTION WORKSHEET
11. The engine's spark plugs shall be inspected every 1,000 hours of operation or annually, whichever comes first, and replaced as necessary. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
  12. 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
  13. The owner or operator shall operate and maintain the engine according to the manufacturer's emission-related written instructions or develop its own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
  14. The owner or operator 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. The owner or operator shall keep records of the maintenance conducted on the engine to demonstrate that the engine and the associated emissions control equipment (if any) is being operated and maintained according to the manufacturer's maintenance plan. These records shall include, but are not limited to the date, hour meter reading, action performed (e.g., engine oil and filter change/analysis, air filter inspection, hoses and belt inspection, etc.), name of the individual conducting maintenance and company affiliation. [40 CFR Part 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
  16. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 1070 and 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-17-4

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

ONE 3,500 GALLON ABOVEGROUND METHANOL STORAGE TANK (WHISKY SLOUGH STATION)

## PERMIT UNIT REQUIREMENTS

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1. The tank shall be in a gas-tight condition. The pressure-vacuum (PV) relief valve shall be set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in gas-tight condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623, 5.2] Federally Enforceable Through Title V Permit
2. A gas-tight condition is defined as a condition without a gas leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. A reading in excess of 10,000 ppmv above background is a violation of this permit and Rule 4623 and shall be reported as a deviation. [District Rule 4623, 3.9 and 6.4.8] Federally Enforceable Through Title V Permit
3. The permittee shall conduct true vapor pressure (TVP) testing of the organic liquid stored in this tank at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in this tank in order to maintain exemption from the rule. [District Rule 4623, 6.2.2] Federally Enforceable Through Title V Permit
4. The TVP testing shall be conducted at actual storage temperature of the organic liquid in the tank. If the tank stores crude oil or petroleum distillates, the permittee shall also conduct an API gravity testing. [District Rule 4623, 6.2.1.4] Federally Enforceable Through Title V Permit
5. For other organic liquids, the true vapor pressure (TVP) shall be measured using Reid vapor pressure ASTM Method D323, and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance of the oil and gas section of "California Air Resources Boards (ARB) Technical Guidance Document to the Criteria and Guidelines Regulations for AB 2588", dated August 1989. As an alternative to using ASTM D 323, the TVP of crude oil with an API gravity range of greater than 26 degrees up to 30 degrees may be determined by using other equivalent test methods approved by APCO, ARB and EPA. [District Rule 4623, 6.4.3] Federally Enforceable Through Title V Permit
6. Permittee shall submit the records of TVP and API gravity testing to the APCO within 45 days after the date of testing. The records shall include the tank identification number, Permit to Operate number, type of stored organic liquid, TVP and API gravity of the organic liquid, test methods used, and a copy of the test results. [District Rule 4623, 6.3.6] Federally Enforceable Through Title V Permit
7. As used in this permit, the term "source or type" shall mean liquids with similar characteristics. The operator shall maintain records of API gravity of petroleum liquids stored in this unit to determine which are from common source. [District Rule 2520, 9.3.2] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** N-608-24-6

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

NATURAL GAS DEHYDRATION SYSTEM (TURNER CUT STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-7) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY AN 11.23 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-7) AND A PERMIT EXEMPT REBOILER (#2)

## PERMIT UNIT REQUIREMENTS

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1. The thermal oxidizer shall be fired solely on PUC quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The thermal oxidizer shall be equipped with an operational temperature indicator at the combustion chamber. The temperature shall be monitored and recorded continuously. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The thermal oxidizer shall be heated to at least 1400 degrees Fahrenheit prior to any contaminated air steam entering the oxidizer, and shall operate at a minimum temperature of 1400 degrees Fahrenheit. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The thermal oxidizer shall operate at all times when dehydration is taking place. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only glycol shall be used as the dehydration medium. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The condensed hydrocarbon liquid stream (if any) from the glycol dehydration vent shall be stored and handled in a manner that will not cause or allow evaporation of VOC to the atmosphere. [District Rule 4408] Federally Enforceable Through Title V Permit
7. The VOC control efficiency of the thermal oxidizer shall not be less than 97.5%. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
9. CO emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
11. SOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined VOC emissions from dehydration units N-608-7 and N-608-24, including the combustion contaminants from the thermal oxidizer, shall not exceed 1.95 pounds per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Source testing to determine the thermal oxidizer VOC control efficiency and the combined VOC emissions from units N-608-7 and '24 shall be conducted at least once every 24-months. [District Rules 1081] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-24-6 : Sep 9 2021 9:26AM -- GARCIAJ

14. 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
15. 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
16. VOC emissions shall be measured by EPA Method 25, 25A, 25B, or 18. [District Rule 1081] Federally Enforceable Through Title V Permit
17. All control systems shall be maintained in a leak-free condition. A leak-free condition is a condition without a gas leak or a liquid leak. Gas leak is defined as a reading as methane in excess of 10,000 ppm above background when measured at the surface of the component interface of the potential source in accordance with the procedure in EPA Method 21. Liquid leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs. [District Rule 4408] Federally Enforceable Through Title V Permit
18. All control system components (i.e., valves, fitting, flanges, etc.) shall be inspected annually via EPA Method 21 (gas leak) and visually (liquid leak) to ensure compliance with leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
19. If any of the control system components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Upon detection of any leaking components, operator shall: (a) eliminate or minimize the leak within 8 hours after detection, (b) if the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices and eliminate the leak within 48 hours after detection. In no event shall the total time to minimize and eliminate the leak exceed 56 hours after detection. [District Rule 2520] Federally Enforceable Through Title V Permit
21. If a component type is found to leak during an annual inspection, then conduct quarterly inspections of that component type for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 2520] Federally Enforceable Through Title V Permit
22. The owner or operator shall keep records for each component inspected: (1) the date, (2) name of component and its location, (3) measured ppmv value, and (4) the name of the operator and the company conducting the leak inspection. [District Rule 1070] Federally Enforceable Through Title V Permit
23. The owner or operator shall maintain an inspection log containing the following: (1) type of component leaking; (2) date and time of leak detection, and method of detection; (3) date and time of leak repair, and emission level of recheck after leak is repaired; (4) method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 1070] Federally Enforceable Through Title V Permit
24. The owner or operator shall maintain monthly records of the amount of gas dehydrated by dehydration units N-608-7 and -24. [District Rules 2201 and 4408] Federally Enforceable Through Title V Permit
25. The owner or operator shall maintain the following records: Facility name, APCD permit number; location, size of glycol dehydrator reboiler (MMBTU/hr), and type of glycol used; description of any installed VOC control system; flow diagram of the dehydrator and any VOC controls; maintenance records of the VOC control system; reports of source tests; all records necessary to document inputs to and outputs of the GRI-GLYCalc software, if used. [District Rule 2201 and 4408] Federally Enforceable Through Title V Permit
26. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4408] 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-608-25-8

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

NATURAL GAS DEHYDRATION SYSTEM (WHISKY SLOUGH STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-26) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY A 11.44 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-26) AND A PERMIT EXEMPT REBOILER (#3)

## PERMIT UNIT REQUIREMENTS

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1. The thermal oxidizer shall be fired solely on PUC quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The thermal oxidizer shall be equipped with an operational temperature indicator at the combustion chamber. The temperature shall be monitored and recorded continuously. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The thermal oxidizer shall be heated to at least 1400 degrees Fahrenheit prior to any contaminated air steam entering the oxidizer, and shall operate at a minimum temperature of 1400 degrees Fahrenheit. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The thermal oxidizer shall operate at all times when dehydration is taking place. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only glycol shall be used as the dehydration medium. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The condensed hydrocarbon liquid stream (if any) from the glycol dehydration vent shall be stored and handled in a manner that will not cause or allow evaporation of VOC to the atmosphere. [District Rule 4408] Federally Enforceable Through Title V Permit
7. The VOC control efficiency of the thermal oxidizer shall not be less than 97.5%. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
9. CO emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
11. SOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined VOC emissions from dehydration units N-608-7 and N-608-24, including the combustion contaminants from the thermal oxidizer, shall not exceed 1.95 pounds per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Source testing to determine the thermal oxidizer VOC control efficiency and the combined VOC emissions from units N-608-7 and '24 shall be conducted at least once every 24-months. [District Rules 1081] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-25-8 : Sep 9 2021 9:26AM -- GARCIAJ

14. 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
15. 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
16. VOC emissions shall be measured by EPA Method 25, 25A, 25B, or 18. [District Rule 1081] Federally Enforceable Through Title V Permit
17. All control systems shall be maintained in a leak-free condition. A leak-free condition is a condition without a gas leak or a liquid leak. Gas leak is defined as a reading as methane in excess of 10,000 ppm above background when measured at the surface of the component interface of the potential source in accordance with the procedure in EPA Method 21. Liquid leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs. [District Rule 4408] Federally Enforceable Through Title V Permit
18. All control system components (i.e., valves, fitting, flanges, etc.) shall be inspected annually via EPA Method 21 (gas leak) and visually (liquid leak) to ensure compliance with leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
19. If any of the control system components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Upon detection of any leaking components, operator shall: (a) eliminate or minimize the leak within 8 hours after detection, (b) if the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices and eliminate the leak within 48 hours after detection. In no event shall the total time to minimize and eliminate the leak exceed 56 hours after detection. [District Rule 2520] Federally Enforceable Through Title V Permit
21. If a component type is found to leak during an annual inspection, then conduct quarterly inspections of that component type for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 2520] Federally Enforceable Through Title V Permit
22. The owner or operator shall keep records for each component inspected: (1) the date, (2) name of component and its location, (3) measured ppmv value, and (4) the name of the operator and the company conducting the leak inspection. [District Rule 1070] Federally Enforceable Through Title V Permit
23. The owner or operator shall maintain an inspection log containing the following: (1) type of component leaking; (2) date and time of leak detection, and method of detection; (3) date and time of leak repair, and emission level of recheck after leak is repaired; (4) method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 1070] Federally Enforceable Through Title V Permit
24. The owner or operator shall maintain monthly records of the amount of gas dehydrated by dehydration units N-608-7 and '-24. [District Rules 2201 and 4408] Federally Enforceable Through Title V Permit
25. The owner or operator shall maintain the following records: Facility name, APCD permit number; location, size of glycol dehydrator reboiler (MMBTU/hr), and type of glycol used; description of any installed VOC control system; flow diagram of the dehydrator and any VOC controls; maintenance records of the VOC control system; reports of source tests; all records necessary to document inputs to and outputs of the GRI-GLYCalc software, if used. [District Rule 2201 and 4408] Federally Enforceable Through Title V Permit
26. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4408] 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-608-26-8

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

NATURAL GAS DEHYDRATION SYSTEM (WHISKY SLOUGH STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-25) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY A 11.44 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-25) AND A PERMIT EXEMPT REBOILER (#4)

## PERMIT UNIT REQUIREMENTS

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1. The thermal oxidizer shall be fired solely on PUC quality natural gas. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The thermal oxidizer shall be equipped with an operational temperature indicator at the combustion chamber. The temperature shall be monitored and recorded continuously. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The thermal oxidizer shall be heated to at least 1400 degrees Fahrenheit prior to any contaminated air steam entering the oxidizer, and shall operate at a minimum temperature of 1400 degrees Fahrenheit. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The thermal oxidizer shall operate at all times when dehydration is taking place. [District Rule 2201] Federally Enforceable Through Title V Permit
5. Only glycol shall be used as the dehydration medium. [District Rule 2201] Federally Enforceable Through Title V Permit
6. The condensed hydrocarbon liquid stream (if any) from the glycol dehydration vent shall be stored and handled in a manner that will not cause or allow evaporation of VOC to the atmosphere. [District Rule 4408] Federally Enforceable Through Title V Permit
7. The VOC control efficiency of the thermal oxidizer shall not be less than 97.5%. [District Rule 2201] Federally Enforceable Through Title V Permit
8. NOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.1 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
9. CO emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.084 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
10. PM10 emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.0076 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
11. SOx emissions from natural gas combustion in the thermal oxidizer shall not exceed 0.00285 lb/MMBtu. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The combined VOC emissions from dehydration units N-608-7 and N-608-24, including the combustion contaminants from the thermal oxidizer, shall not exceed 1.95 pounds per hour. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Source testing to determine the thermal oxidizer VOC control efficiency and the combined VOC emissions from units N-608-7 and '24 shall be conducted at least once every 24-months. [District Rules 1081] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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14. 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
15. 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
16. VOC emissions shall be measured by EPA Method 25, 25A, 25B, or 18. [District Rule 1081] Federally Enforceable Through Title V Permit
17. All control systems shall be maintained in a leak-free condition. A leak-free condition is a condition without a gas leak or a liquid leak. Gas leak is defined as a reading as methane in excess of 10,000 ppm above background when measured at the surface of the component interface of the potential source in accordance with the procedure in EPA Method 21. Liquid leak is defined as the dripping at a rate of more than three (3) drops per minute of liquid containing VOCs. [District Rule 4408] Federally Enforceable Through Title V Permit
18. All control system components (i.e., valves, fitting, flanges, etc.) shall be inspected annually via EPA Method 21 (gas leak) and visually (liquid leak) to ensure compliance with leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
19. If any of the control system components are found to be leaking, operator shall immediately affix a tag and maintain records of gas leak detection readings, date/time leak was discovered, and date/time the component was repaired to a leak-free condition. [District Rule 2520] Federally Enforceable Through Title V Permit
20. Upon detection of any leaking components, operator shall: (a) eliminate or minimize the leak within 8 hours after detection, (b) if the leak can not be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices and eliminate the leak within 48 hours after detection. In no event shall the total time to minimize and eliminate the leak exceed 56 hours after detection. [District Rule 2520] Federally Enforceable Through Title V Permit
21. If a component type is found to leak during an annual inspection, then conduct quarterly inspections of that component type for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 2520] Federally Enforceable Through Title V Permit
22. The owner or operator shall keep records for each component inspected: (1) the date, (2) name of component and its location, (3) measured ppmv value, and (4) the name of the operator and the company conducting the leak inspection. [District Rule 1070] Federally Enforceable Through Title V Permit
23. The owner or operator shall maintain an inspection log containing the following: (1) type of component leaking; (2) date and time of leak detection, and method of detection; (3) date and time of leak repair, and emission level of recheck after leak is repaired; (4) method used to minimize the leak to lowest possible level within 8 hours after detection. [District Rule 1070] Federally Enforceable Through Title V Permit
24. The owner or operator shall maintain monthly records of the amount of gas dehydrated by dehydration units N-608-7 and '-24. [District Rules 2201 and 4408] Federally Enforceable Through Title V Permit
25. The owner or operator shall maintain the following records: Facility name, APCD permit number; location, size of glycol dehydrator reboiler (MMBTU/hr), and type of glycol used; description of any installed VOC control system; flow diagram of the dehydrator and any VOC controls; maintenance records of the VOC control system; reports of source tests; all records necessary to document inputs to and outputs of the GRI-GLYCalc software, if used. [District Rule 2201 and 4408] Federally Enforceable Through Title V Permit
26. All records shall be retained for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4408] 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-608-27-2

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

1,680 BHP WAUKESHA MODEL L7044GSI NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) AND AN O2 CONTROLLER. THE UNIT POWERS A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-7)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Total sulfur content of natural gas combusted shall not exceed 1.0 grain/100 scf. The owner or operator shall perform total fuel sulfur analysis annually using EPA Method 11 or EPA Method 15, or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. The results of fuel sulfur analysis shall be kept and made available to the District upon request. [District Rules 2201, 4702 and 4801] Federally Enforceable Through Title V Permit
3. 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 a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine annual fuel usage. [District Rule 4702, 5.6.6] Federally Enforceable Through Title V Permit
4. The engine shall not operate more than 6,600 hours during any one calendar year. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702, 6.5.6] Federally Enforceable Through Title V Permit
7. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the District no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For modifications, the I&M plan shall be submitted to and approved by the District prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702, 6.5.9] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed any of the following limits: 5 ppmvd NOx @ 15% O2, 0.011 g-SOx/bhp-hr, 0.02 g-PM10/bhp-hr, 56 ppmvd CO @ 15% O2, or 25 ppmvd VOC @ 15% O2. [District Rules 2201 and 4702 and 40 CFR 60.4233(e)] Federally Enforceable Through Title V Permit
9. Source testing to measure the NOx, CO, and VOC emissions from this unit shall be conducted at least once every 8,760 hours of operation or at least once every 24 months, whichever comes first. [District Rule 4702 and 40 CFR Part 60.4243(b)(2)(ii)] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-27-2 : Sep 9 2021 9:26AM -- GARCIAJ

10. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rules 4702, 6.3.3] Federally Enforceable Through Title V Permit
11. Each source test shall be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 of 40 CFR Part 60 Subpart JJJJ. [40 CFR 60.4244(a)] Federally Enforceable Through Title V Permit
12. For emissions source testing, the arithmetic average of three 60-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NO<sub>x</sub>, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702 and 40 CFR 60.4244(c)] Federally Enforceable Through Title V Permit
13. The following test methods shall be used (or any other method approved by EPA and the APCO): NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 25A or 25B, or ARB Method 100. [District Rules 1081 and 4702, 6.4] Federally Enforceable Through Title V Permit
14. 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
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081 and 40 CFR 60.4245(d)] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4702, 5.6, 6.5.2 and 6.5.3] Federally Enforceable Through Title V Permit
17. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least 5 readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4702, 5.6.9 and 6.5.7] Federally Enforceable Through Title V Permit
18. If either the NO<sub>x</sub> or CO concentrations corrected to 15% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate that a violation subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 4702, 5.6, 6.5.4, and 6.5.5] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 15% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4702, 5.6.5 and 6.5.8, 40 CFR Part 64] 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.

20. The permittee shall maintain an engine operating log to demonstrate compliance. The log shall include the hours of operation on a calendar year basis, the type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. The log shall be updated at least at least weekly. [District Rule 4702, 6.2.1] Federally Enforceable Through Title V Permit
21. The operator shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 60.4243(b)(2)(ii)] Federally Enforceable Through Title V Permit
22. The air-to-fuel ratio controller shall be maintained and operated appropriately in order to ensure in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR Part 60.4243(g)] Federally Enforceable Through Title V Permit
23. Except for startup and shutdown, inlet temperature to the catalyst of the NSCR system shall be maintained between 750°F and 1250°F. [40 CFR Part 64] Federally Enforceable Through Title V Permit
24. The permittee shall record inlet temperature to the catalyst of the NSCR system on each day the engine operates. [40 CFR Part 64] Federally Enforceable Through Title V Permit
25. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
26. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
27. The permittee shall comply with the record keeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4702, 6.2.2, 40 CFR Part 64] 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-608-28-2

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

1,680 BHP WAUKESHA MODEL L7044GSI NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) AND AN O2 CONTROLLER. THE UNIT POWERS A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-8)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Total sulfur content of natural gas combusted shall not exceed 1.0 grain/100 scf. The owner or operator shall perform total fuel sulfur analysis annually using EPA Method 11 or EPA Method 15, or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. The results of fuel sulfur analysis shall be kept and made available to the District upon request. [District Rules 2201, 4702 and 4801] Federally Enforceable Through Title V Permit
3. 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 a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine annual fuel usage. [District Rule 4702, 5.6.6] Federally Enforceable Through Title V Permit
4. The engine shall not operate more than 6,600 hours during any one calendar year. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702, 6.5.6] Federally Enforceable Through Title V Permit
7. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the District no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For modifications, the I&M plan shall be submitted to and approved by the District prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702, 6.5.9] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed any of the following limits: 5 ppmvd NOx @ 15% O2, 0.011 g-SOx/bhp-hr, 0.02 g-PM10/bhp-hr, 56 ppmvd CO @ 15% O2, or 25 ppmvd VOC @ 15% O2. [District Rules 2201 and 4702 and 40 CFR 60.4233(e)] Federally Enforceable Through Title V Permit
9. Source testing to measure the NOx, CO, and VOC emissions from this unit shall be conducted at least once every 8,760 hours of operation or at least once every 24 months, whichever comes first. [District Rule 4702 and 40 CFR Part 60.4243(b)(2)(ii)] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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10. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rules 4702, 6.3.3] Federally Enforceable Through Title V Permit
11. Each source test shall be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 of 40 CFR Part 60 Subpart JJJJ. [40 CFR 60.4244(a)] Federally Enforceable Through Title V Permit
12. For emissions source testing, the arithmetic average of three 60-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NO<sub>x</sub>, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702 and 40 CFR 60.4244(c)] Federally Enforceable Through Title V Permit
13. The following test methods shall be used (or any other method approved by EPA and the APCO): NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 25A or 25B, or ARB Method 100. [District Rules 1081 and 4702, 6.4] Federally Enforceable Through Title V Permit
14. 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
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081 and 40 CFR 60.4245(d)] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4702, 5.6, 6.5.2 and 6.5.3, 40 CFR Part 64] Federally Enforceable Through Title V Permit
17. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4702, 5.6.9 and 6.5.7, 40 CFR Part 64] Federally Enforceable Through Title V Permit
18. If either the NO<sub>x</sub> or CO concentrations corrected to 15% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate that a violation subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 4702, 5.6, 6.5.4 and 6.5.5, 40 CFR Part 64] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 15% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4702, 5.6.5 and 6.5.8, 40 CFR Part 64] 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.

20. The permittee shall maintain an engine operating log to demonstrate compliance. The log shall include the hours of operation on a calendar year basis, the type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. The log shall be updated at least at least weekly. [District Rule 4702, 6.2.1] Federally Enforceable Through Title V Permit
21. The operator shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 60.4243(b)(2)(ii)] Federally Enforceable Through Title V Permit
22. The air-to-fuel ratio controller shall be maintained and operated appropriately in order to ensure in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR Part 60.4243(g)] Federally Enforceable Through Title V Permit
23. Except for startup and shutdown, inlet temperature to the catalyst of the NSCR system shall be maintained between 750°F and 1250°F. [40 CFR Part 64] Federally Enforceable Through Title V Permit
24. The permittee shall record inlet temperature to the catalyst of the NSCR system on each day the engine operates. [40 CFR Part 64] Federally Enforceable Through Title V Permit
25. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
26. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
27. The permittee shall comply with the record keeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4702, 6.2.2, 40 CFR Part 64] 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-608-29-2

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

1,680 BHP WAUKESHA MODEL L7044GSI NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) AND AN O2 CONTROLLER. THE UNIT POWERS A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-9)

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
2. Total sulfur content of natural gas combusted shall not exceed 1.0 grain/100 scf. The owner or operator shall perform total fuel sulfur analysis annually using EPA Method 11 or EPA Method 15, or shall demonstrate that the combusted gas is provided from a PUC or FERC regulated source. The results of fuel sulfur analysis shall be kept and made available to the District upon request. [District Rules 2201, 4702 and 4801] Federally Enforceable Through Title V Permit
3. 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 a non-resettable elapsed operating time meter in conjunction with the engine manufacturer's maximum rated fuel consumption to determine annual fuel usage. [District Rule 4702, 5.6.6] Federally Enforceable Through Title V Permit
4. The engine shall not operate more than 6,600 hours during any one calendar year. [District NSR Rule] Federally Enforceable Through Title V Permit
5. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
6. This engine shall be operated and maintained in proper operating condition per the manufacturer's requirements as specified on the Inspection and Monitoring (I&M) plan submitted to the District. [District Rule 4702, 6.5.6] Federally Enforceable Through Title V Permit
7. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee that changes significant I&M plan elements must notify the District no later than seven days after the change and must submit an updated I&M plan to the District no later than 14 days after the change for approval. The date and time of the change to the I&M plan shall be recorded in the engine operating log. For modifications, the I&M plan shall be submitted to and approved by the District prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702, 6.5.9] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed any of the following limits: 5 ppmvd NOx @ 15% O2, 0.011 g-SOx/bhp-hr, 0.02 g-PM10/bhp-hr, 56 ppmvd CO @ 15% O2, or 25 ppmvd VOC @ 15% O2. [District Rules 2201 and 4702 and 40 CFR 60.4233(e)] Federally Enforceable Through Title V Permit
9. Source testing to measure the NOx, CO, and VOC emissions from this unit shall be conducted at least once every 8,760 hours of operation or at least once every 24 months, whichever comes first. [District Rule 4702 and 40 CFR Part 60.4243(b)(2)(ii)] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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10. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rules 4702, 6.3.3] Federally Enforceable Through Title V Permit
11. Each source test shall be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in §60.8 and under the specific conditions that are specified by Table 2 of 40 CFR Part 60 Subpart JJJJ. [40 CFR 60.4244(a)] Federally Enforceable Through Title V Permit
12. For emissions source testing, the arithmetic average of three 60-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC, NO<sub>x</sub>, and CO concentrations shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702 and 40 CFR 60.4244(c)] Federally Enforceable Through Title V Permit
13. The following test methods shall be used (or any other method approved by EPA and the APCO): NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 25A or 25B, or ARB Method 100. [District Rules 1081 and 4702, 6.4] Federally Enforceable Through Title V Permit
14. 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
15. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081 and 40 CFR 60.4245(d)] Federally Enforceable Through Title V Permit
16. The permittee shall monitor and record the stack concentration of NO<sub>x</sub>, CO, and O<sub>2</sub> at least once every month (in which a source test is not performed) using a portable emission monitor that meets District specifications. Monitoring shall not be required if the engine is not in operation, i.e. the engine need not be started solely to perform monitoring. Monitoring shall be performed within 5 days of restarting the engine unless monitoring has been performed within the last month. Records must be maintained of the dates of non-operation to validate extended monitoring frequencies. [District Rule 4702, 5.6, 6.5.2 and 6.5.3, 40 CFR Part 64] Federally Enforceable Through Title V Permit
17. All alternate monitoring parameter emission readings shall be taken with the unit operating either at conditions representative of normal operations or conditions specified in the permit-to-operate. The analyzer shall be calibrated, maintained, and operated in accordance with the manufacturer's specifications and recommendations or a protocol approved by the APCO. Emission readings taken shall be averaged over a 15 consecutive-minute period by either taking a cumulative 15 consecutive-minute sample reading or by taking at least five (5) readings, evenly spaced out over the 15 consecutive-minute period. [District Rule 4702, 5.6.9 and 6.5.7, 40 CFR Part 64] Federally Enforceable Through Title V Permit
18. If either the NO<sub>x</sub> or CO concentrations corrected to 15% O<sub>2</sub>, as measured by the portable analyzer, exceed the allowable emission concentration, the permittee shall return the emissions to within the acceptable range as soon as possible, but no longer than 8 hours after detection. If the portable analyzer readings continue to exceed the allowable emissions concentration after 8 hours, the permittee shall notify the District within the following 1 hour, and conduct a certified source test within 60 days of the first exceedance. In lieu of conducting a source test, the permittee may stipulate that a violation subject to enforcement action has occurred. The permittee must then correct the violation, show compliance has been re-established, and resume monitoring procedures. If the deviations are the result of a qualifying breakdown condition pursuant to Rule 1100, the permittee may fully comply with Rule 1100 in lieu of the performing the notification and testing required by this condition. [District Rule 4702, 6.5.4, 40 CFR Part 64] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of: (1) the date and time of NO<sub>x</sub>, CO, and O<sub>2</sub> measurements, (2) the O<sub>2</sub> concentration in percent and the measured NO<sub>x</sub> and CO concentrations corrected to 15% O<sub>2</sub>, (3) make and model of exhaust gas analyzer, (4) exhaust gas analyzer calibration records, and (5) a description of any corrective action taken to maintain the emissions within the acceptable range. [District Rule 4702, 5.6.5 and 6.5.8, 40 CFR Part 64] 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.

20. The permittee shall maintain an engine operating log to demonstrate compliance. The log shall include the hours of operation on a calendar year basis, the type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. The log shall be updated at least at least weekly. [District Rule 4702, 6.2.1] Federally Enforceable Through Title V Permit
21. The operator shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR Part 60.4243(b)(2)(ii)] Federally Enforceable Through Title V Permit
22. The air-to-fuel ratio controller shall be maintained and operated appropriately in order to ensure in order to ensure proper operation of the engine and control device to minimize emissions at all times. [40 CFR Part 60.4243(g)] Federally Enforceable Through Title V Permit
23. Except for startup and shutdown, inlet temperature to the catalyst of the NSCR system shall be maintained between 750°F and 1250°F. [40 CFR Part 64] Federally Enforceable Through Title V Permit
24. The permittee shall record inlet temperature to the catalyst of the NSCR system on each day the engine operates. [40 CFR Part 64] Federally Enforceable Through Title V Permit
25. The permittee shall comply with the compliance assurance monitoring operation and maintenance requirements of 40 CFR part 64.7. [40 CFR Part 64] Federally Enforceable Through Title V Permit
26. If the District or EPA determine that a Quality Improvement Plan is required under 40 CFR 64.7(d)(2), the permittee shall develop and implement the Quality Improvement Plan in accordance with 40 CFR part 64.8. [40 CFR Part 64] Federally Enforceable Through Title V Permit
27. The permittee shall comply with the record keeping and reporting requirements of 40 CFR part 64.9. [40 CFR Part 64] Federally Enforceable Through Title V Permit
28. All records shall be maintained and retained on-site for a minimum of 5 years, and shall be made available for District inspection upon request. [District Rule 4702, 6.2.2, 40 CFR Part 64] 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-608-30-3

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

27,000 GALLON NOMINAL (27,707 GALLON GAUGE) CONDENSATE STORAGE TANK (TURNER CUT STATION)

## PERMIT UNIT REQUIREMENTS

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1. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 1.2 psia under all storage conditions. [District Rules 2201, 4623 and 4624] Federally Enforceable Through Title V Permit
2. Daily fluid throughput of the tank shall not exceed 840 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The owner or operator shall determine TVP within at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in the tank. The records of TVP testing shall be submitted within 45 days after the date of testing. The records shall include the tank identification number, permit number, type of stored organic liquid, TVP of the stored organic liquid, test methods used, and a copy of the test results. [District Rules 4623 and 4624] Federally Enforceable Through Title V Permit
4. TVP shall be determined at actual storage temperature of the organic liquid in the tank. [District Rules 4623 and 4624] Federally Enforceable Through Title V Permit
5. TVP of the organic liquid shall be determined by measuring the RVP using ASTM D 323-94 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "ARB Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. Should the permittee want to use different methodology, then that methodology should be first approved by the District and or the EPA. [District Rule 4623] Federally Enforceable Through Title V Permit
6. The owner or operator shall keep records of the date, name of the organic liquid stored, measured organic liquid RVP, calculated TVP and storage temperature when samples are taken. [District Rule 4623] Federally Enforceable Through Title V Permit
7. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in leak-free condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623] Federally Enforceable Through Title V Permit
8. This tank shall be operated in a leak-free condition. A leak-free condition means a condition without a gas leak or a liquid leak. Gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. Liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. [District Rule 4623] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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9. The fixed-roof tank under this permit is a part of Voluntary Tank Preventive Inspection and Maintenance, and Tank Interior Cleaning Program. Failure to comply with applicable requirements of Table 3 and Section 5.7.5 shall be deemed to be a violation of the provisions of Rule 4623 (5/19/05). [District Rule 4623] Federally Enforceable Through Title V Permit
10. The owner or operator shall notify the District in writing at least three days prior to performing interior tank cleaning activities. Written notification shall include the following information: (a). Permit to Operate number, (b) the date and time that tank cleaning activities will begin, (c) the method to be used to clean the tank, including any solvents to be used, and (d) the method to be used to dispose of the removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623] Federally Enforceable Through Title V Permit
11. The owner or operator shall maintain records of tank cleaning activities for a period of 5 years and present these records to the District upon records. Records should include the final details of the planned activities submitted pursuant to section 5.7.5.1 (in the above condition). [District Rule 4623] Federally Enforceable Through Title V Permit
12. The owner or operator shall comply with the requirements of Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) during the process of draining and refilling the tank with an organic liquid having TVP of 0.5 psia or greater. [District Rule 4623] Federally Enforceable Through Title V Permit
13. The requirements of Section 5.1 (i.e., use of pressure-vacuum relief valve) and Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) shall not apply to the tank during interior cleaning or maintenance activities. [District Rule 4623] Federally Enforceable Through Title V Permit
14. While performing tank cleaning activities, owner or operator may use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees Fahrenheit, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams per liter VOC content or less. [District Rule 4623] Federally Enforceable Through Title V Permit
15. Steam cleaning shall be allowed at locations where wastewater treatment facilities are limited or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Tank(s) containing an organic liquid with a TVP of 1.5 psia or greater shall control emissions from the removed sludge by complying with all of the following provisions: (a) During sludge removal the operator shall control emissions from the receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95 percent, (b) Operators shall transport removed sludge in closed, liquid leak-free containers, and (c) Notwithstanding item b, operator shall store removed sludge, until final disposal, in leak-free containers, or tanks complying with Section 5.1 requirements of Rule 4623 (i.e., use of pressure-vacuum relief valve). Sludge that is to be used to manufacture roadmix, as defined in Rule 2020 (Exemptions), is exempt from this requirement. Roadmix manufacturing operations exempt pursuant to Rule 2020, shall maintain documentation of their compliance with Rule 2020, and promptly make said documentation available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
17. Hatch, tank seals and seams, cable seals, piping components directly affixed to the tank and within five feet of the tank, including but not limited to valves, flanges, connectors etc. shall be inspected annually using a portable hydrocarbon detection instrument in accordance with EPA Method 21 for components in gas service, visual inspection for components in liquid service, or visual or ultrasonic testing (as appropriate) for external shells and roofs of uninsulated tanks for structural integrity of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
18. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623] 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.

19. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
20. For leaking components, the operator shall immediately affix a tag and maintain records of liquid leak and gas leak detection readings, date/time leak was discovered, date/time the component was repaired to a leak-free condition, and method used to minimize the gas leak to the lowest possible level within 8 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
21. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines shall not constitute a violation of the District Rule 4623. However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
22. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 4623] Federally Enforceable Through Title V Permit
23. Any component affixed to the tank or within 5 feet of the tank that is found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rule 4623] Federally Enforceable Through Title V Permit
24. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623] 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-608-31-3

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

27,000 GALLON NOMINAL (27,707 GALLON GAUGE) CONDENSATE STORAGE TANK (WHISKY SLOUGH STATION)

## PERMIT UNIT REQUIREMENTS

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1. This tank shall only store, place, or hold organic liquid with a true vapor pressure (TVP) of less than 1.2 psia under all storage conditions. [District Rules 2201, 4623 and 4624] Federally Enforceable Through Title V Permit
2. Daily fluid throughput of the tank shall not exceed 840 gallons. [District Rule 2201] Federally Enforceable Through Title V Permit
3. The owner or operator shall determine TVP within at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in the tank. The records of TVP testing shall be submitted within 45 days after the date of testing. The records shall include the tank identification number, permit number, type of stored organic liquid, TVP of the stored organic liquid, test methods used, and a copy of the test results. [District Rules 4623 and 4624] Federally Enforceable Through Title V Permit
4. TVP shall be determined at actual storage temperature of the organic liquid in the tank. [District Rules 4623 and 4624] Federally Enforceable Through Title V Permit
5. TVP of the organic liquid shall be determined by measuring the RVP using ASTM D 323-94 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "ARB Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. Should the permittee want to use different methodology, then that methodology should be first approved by the District and or the EPA. [District Rule 4623] Federally Enforceable Through Title V Permit
6. The owner or operator shall keep records of the date, name of the organic liquid stored, measured organic liquid RVP, calculated TVP and storage temperature when samples are taken. [District Rule 4623] Federally Enforceable Through Title V Permit
7. This tank shall be equipped with a pressure-vacuum (PV) relief valve set to within 10% of the maximum allowable working pressure of the tank, permanently labeled with the operating pressure settings, properly maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in leak-free condition except when the operating pressure exceeds the valve's set pressure. [District Rule 4623] Federally Enforceable Through Title V Permit
8. This tank shall be operated in a leak-free condition. A leak-free condition means a condition without a gas leak or a liquid leak. Gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument in accordance with the procedures specified in EPA Test Method 21. Liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. [District Rule 4623] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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9. The fixed-roof tank(s) under this permit is a part of Voluntary Tank Preventive Inspection and Maintenance, and Tank Interior Cleaning Program. Failure to comply with applicable requirements of Table 3 and Section 5.7.5 shall be deemed to be a violation of the provisions of Rule 4623 (5/19/05). [District Rule 4623] Federally Enforceable Through Title V Permit
10. The owner or operator shall notify the District in writing at least three days prior to performing interior tank cleaning activities. Written notification shall include the following information: (a). Permit to Operate number, (b) the date and time that tank cleaning activities will begin, (c) the method to be used to clean the tank, including any solvents to be used, and (d) the method to be used to dispose of the removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623] Federally Enforceable Through Title V Permit
11. The owner or operator shall maintain records of tank cleaning activities for a period of 5 years and present these records to the District upon records. Records should include the final details of the planned activities submitted pursuant to section 5.7.5.1 (in the above condition). [District Rule 4623] Federally Enforceable Through Title V Permit
12. The owner or operator shall comply with the requirements of Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) during the process of draining and refilling the tank with an organic liquid having TVP of 0.5 psia or greater. [District Rule 4623] Federally Enforceable Through Title V Permit
13. The requirements of Section 5.1 (i.e., use of pressure-vacuum relief valve) and Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) shall not apply to the tank during interior cleaning or maintenance activities. [District Rule 4623] Federally Enforceable Through Title V Permit
14. While performing tank cleaning activities, owner or operator may use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees Fahrenheit, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams per liter VOC content or less. [District Rule 4623] Federally Enforceable Through Title V Permit
15. Steam cleaning shall be allowed at locations where wastewater treatment facilities are limited or during the months of December through March. [District Rule 4623] Federally Enforceable Through Title V Permit
16. Tank(s) containing an organic liquid with a TVP of 1.5 psia or greater shall control emissions from the removed sludge by complying with all of the following provisions: (a) During sludge removal the operator shall control emissions from the receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95 percent, (b) Operators shall transport removed sludge in closed, liquid leak-free containers, and (c) Notwithstanding item b, operator shall store removed sludge, until final disposal, in leak-free containers, or tanks complying with Section 5.1 requirements of Rule 4623 (i.e., use of pressure-vacuum relief valve). Sludge that is to be used to manufacture roadmix, as defined in Rule 2020 (Exemptions), is exempt from this requirement. Roadmix manufacturing operations exempt pursuant to Rule 2020, shall maintain documentation of their compliance with Rule 2020, and promptly make said documentation available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
17. Hatch, tank seals and seams, cable seals, piping components directly affixed to the tank and within five feet of the tank, including but not limited to valves, flanges, connectors etc. shall be inspected annually using a portable hydrocarbon detection instrument in accordance with EPA Method 21 for components in gas service, visual inspection for components in liquid service, or visual or ultrasonic testing (as appropriate) for external shells and roofs of uninsulated tanks for structural integrity of the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
18. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rule 4623] 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.

19. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
20. For leaking components, the operator shall immediately affix a tag and maintain records of liquid leak and gas leak detection readings, date/time leak was discovered, date/time the component was repaired to a leak-free condition, and method used to minimize the gas leak to the lowest possible level within 8 hours after detection. [District Rule 4623] Federally Enforceable Through Title V Permit
21. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines shall not constitute a violation of the District Rule 4623. However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623. [District Rule 4623] Federally Enforceable Through Title V Permit
22. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rule 4623] Federally Enforceable Through Title V Permit
23. Any component affixed to the tank or within 5 feet of the tank that is found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rule 4623] Federally Enforceable Through Title V Permit
24. All records required to be maintained by this permit shall be maintained for a period of at least five years and shall be made readily available for District inspection upon request. [District Rule 4623] 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-608-32-1

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

PIPELINE LIQUID TRANSFER, STORAGE, AND LOADOUT OPERATION CONSISTING OF A 2,000 GALLON CONVAULT ABOVEGROUND FIXED ROOF STORAGE TANK (D-10) EQUIPPED WITH A PRESSURE VACUUM RELIEF VALVE, AND TANKER TRUCK LOADOUT EQUIPMENT

## PERMIT UNIT REQUIREMENTS

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1. The Reid vapor pressure (RVP) of the organic stored in the tank shall not exceed 3.3 psia. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
2. The organic liquid transfer into the tank shall not exceed any of the following limits: 900 gallons/day and 16,000 gallons/year (12-month rolling basis). [District Rule 2201] Federally Enforceable Through Title V Permit
3. VOC emissions from transferring and storage of organic liquid in the tank shall not any of the following limits: 1.9 lb/day and 58 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
4. The owner or operator shall determine TVP at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in the tank. The records of TVP testing shall be submitted within 45 days after the date of testing. The records shall include the tank identification number, permit number, type of stored organic liquid, TVP of the stored organic liquid, test methods used, and a copy of the test results. [District Rule 4623] Federally Enforceable Through Title V Permit
5. TVP shall be determined at actual storage temperature of the organic liquid in the tank. [District Rule 4623] Federally Enforceable Through Title V Permit
6. TVP of the organic liquid shall be determined by measuring the RVP using ASTM D 323-94 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "ARB Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. Should the permittee want to use different methodology, then that methodology should be first approved by the District and or the EPA. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
7. The pressure-vacuum relief valve shall be set to within 10 percent of the maximum allowable working pressure of the tank. The pressure-vacuum relief valve shall be permanently labeled with the operating pressure settings. The pressure-vacuum relief valve shall be properly installed and maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in leak-free condition except when the operating pressure exceeds the valve set pressure. [District Rule 4623] Federally Enforceable Through Title V Permit
8. VOC emissions from tanker truck loading operation shall not exceed 0.9 lb/1,000 gallons of pipeline condensate liquid loaded. [District Rule 2201] Federally Enforceable Through Title V Permit
9. The organic liquid loading into tanker truck(s) shall not exceed any of the following limits: 2,000 gallons/day and 16,000 gallons/yr (12-month rolling basis). [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
10. The organic liquid drainage from disconnections associated with the tanker truck loadout equipment shall not exceed 10 mL per disconnect. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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11. The total number of disconnects shall not exceed any of the following limits: 3 disconnects/day and 24 disconnects/year (12-month rolling basis). [District Rule 2201] Federally Enforceable Through Title V Permit
12. Fugitive VOC emissions from components (i.e., valves and connectors on the piping downstream of the pipeline liquid collection points (i.e., separators and scrubbers) to the storage tank, including the liquid collection point outlet valves) used to route the organic liquid into the tank shall not exceed any of the following limits: 5.7 lb/day and 2,063 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
13. Fugitive VOC emissions shall be calculated using the EPA "Protocol for Equipment Leak Emissions Estimates (EPA-453/R-95-017 (November 1995), Table 2-1, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Except as otherwise provided in this permit, all piping, valves, and fittings under this permit shall be constructed and maintained in a leak-free condition. Leak free condition is defined as a condition without a gas leak or a liquid leak. [District Rule 2201] Federally Enforceable Through Title V Permit
15. A leak-free condition is a condition without a gas leak or a liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with the procedures specified in EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
16. All piping, fittings, and valves under this permit shall be inspected annually to ensure compliance with leak-free condition. [District Rule 2201] Federally Enforceable Through Title V Permit
17. The fixed-roof tank under this permit is a part of Voluntary Tank Preventive Inspection and Maintenance, and Tank Interior Cleaning Program. Failure to comply with applicable requirements of Table 3 and Section 5.7.5 shall be a violation of the provisions of Rule 4623 (5/19/05). [District Rule 4623] Federally Enforceable Through Title V Permit
18. The owner or operator shall notify the District in writing at least three days prior to performing interior tank cleaning activities. Written notification shall include the following information: (a). Permit to Operate number, (b) the date and time that tank cleaning activities will begin, (c) the method to be used to clean the tank, including any solvents to be used, and (d) the method to be used to dispose of the removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623] Federally Enforceable Through Title V Permit
19. The owner or operator shall maintain records of tank cleaning activities for a period of 5 years and present these records to the District upon records. Records should include the final details of the planned activities submitted pursuant to section 5.7.5.1 (in the above condition). [District Rule 4623] Federally Enforceable Through Title V Permit
20. The owner or operator shall comply with the requirements of Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) during the process of draining and refilling the tank with an organic liquid having TVP of 0.5 psia or greater. [District Rule 4623] Federally Enforceable Through Title V Permit
21. The requirements of Section 5.1 (i.e., use of pressure-vacuum relief valve) and Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) shall not apply to the tank during interior cleaning or maintenance activities. [District Rule 4623] Federally Enforceable Through Title V Permit
22. While performing tank cleaning activities, owner or operator may use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees Fahrenheit, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams per liter VOC content or less. [District Rule 4623] Federally Enforceable Through Title V Permit
23. Steam cleaning shall be allowed at locations where wastewater treatment facilities are limited or during the months of December through March. [District Rule 4623] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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24. Tank containing an organic liquid with a TVP of 1.5 psia or greater shall control emissions from the removed sludge by complying with all of the following provisions: (a) During sludge removal the operator shall control emissions from the receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95 percent, (b) Operators shall transport removed sludge in closed, liquid leak-free containers, and (c) Notwithstanding item b, operator shall store removed sludge, until final disposal, in leak-free containers, or tanks complying with Section 5.1 requirements of Rule 4623 (i.e., use of pressure-vacuum relief valve). Sludge that is to be used to manufacture roadmix, as defined in Rule 2020 (Exemptions), is exempt from this requirement. Roadmix manufacturing operations exempt pursuant to Rule 2020, shall maintain documentation of their compliance with Rule 2020, and promptly make said documentation available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
25. Hatch, tank seals and seams, cable seals, piping components directly affixed to the tank and within five feet of the tank, including but not limited to valves, flanges, connectors etc. shall be inspected annually using a portable hydrocarbon detection instrument in accordance with EPA Method 21 for components in gas service, visual inspection for components in liquid service, or visual or ultrasonic testing (as appropriate) for external shells and roofs of uninsulated tanks for structural integrity of the tank. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
26. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
27. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
28. For leaking components, the operator shall immediately affix a tag and maintain records of liquid leak and gas leak detection readings, date/time leak was discovered, date/time the component was repaired to a leak-free condition, and method used to minimize the gas leak to the lowest possible level within 8 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
29. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines shall not constitute a violation of the District Rule 4623. However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
30. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
31. Any component affixed to the tank or within 5 feet of the tank that is found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
32. All components greater than 5 feet from the tank and within 60 ft of the D-10 tank equipment that are found leaking shall be tagged and repaired or replaced within 72 hours of detection. The repaired or replaced equipment must be re-inspected to ensure compliance with leak-free condition. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

33. For the components covered under this permit, the owner or operator shall keep records of the type of component, number of components, emission factors, total daily (lb/day) and annual VOC emissions (lb/year). [District Rule 2201] Federally Enforceable Through Title V Permit
34. For each component inspected, the owner or operator shall keep records of the date, name of component, its location, measured ppmv value, the name of the operator and the company conducting the leak inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
35. The owner or operator shall keep records of the date, name of the organic liquid stored in tank D-10, measured organic liquid RVP, calculated TVP and storage temperature when samples are taken. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
36. The owner or operator shall keep records of: a.) date, b.) amount of organic liquid transferred into the tank D-10 (gallons/day), c.) amount of organic liquid transferred into the tank D-10 (gallons/month), and d.) cumulative total amount of organic liquid transferred into the tank in a consecutive 12-month rolling period. [District Rule 2201] Federally Enforceable Through Title V Permit
37. The owner or operator shall keep records of: a.) date, b.) number of disconnects (disconnects/day), c.) number of disconnects (gallons/month), and d.) cumulative total number of disconnects in a consecutive 12-month rolling period. [District Rule 2201] Federally Enforceable Through Title V Permit
38. The owner or operator shall keep records of: a.) date, b.) amount of organic liquid loaded into a tanker truck (gallons/day), c.) amount of organic liquid loaded into a tanker truck (gallons/month), and d.) cumulative total amount of organic liquid loaded into a tanker truck in a consecutive 12-month rolling period. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
39. All records shall be retained for a minimum of five years and shall be made available to the District, ARB, or EPA during normal business hours and submitted upon request. [District Rules 2201, 4623 and 4624] 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-608-33-1

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

PIPELINE LIQUID TRANSFER, STORAGE, AND LOADOUT OPERATION CONSISTING OF A 2,000 GALLON CONVAULT ABOVEGROUND FIXED ROOF STORAGE TANK (D-1A) EQUIPPED WITH A PRESSURE VACUUM RELIEF VALVE, AND TANKER TRUCK LOADOUT EQUIPMENT

## PERMIT UNIT REQUIREMENTS

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1. Tank breather vent setting shall be -0.31 psig vacuum and +0.90 psig. [District Rule 2201] Federally Enforceable Through Title V Permit
2. The Reid vapor pressure (RVP) of the organic stored in the tank shall not exceed 3.3 psia. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
3. The organic liquid transfer into the tank shall not exceed any of the following limits: 900 gallons/day and 16,000 gallons/year (12-month rolling basis). [District Rule 2201] Federally Enforceable Through Title V Permit
4. VOC emissions from transferring and storage of organic liquid in the tank shall not any of the following limits: 1.8 lb/day and 25 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
5. The owner or operator shall determine at least once every 24 months during summer (July - September), and/or whenever there is a change in the source or type of organic liquid stored in the tank. The records of TVP testing shall be submitted within 45 days after the date of testing. The records shall include the tank identification number, permit number, type of stored organic liquid, TVP of the stored organic liquid, test methods used, and a copy of the test results. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
6. TVP shall be determined at actual storage temperature of the organic liquid in the tank. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
7. TVP of the organic liquid shall be determined by measuring the RVP using ASTM D 323-94 (Test Method for Vapor Pressure for Petroleum Products), and converting the RVP to TVP at the tank's maximum organic liquid storage temperature. The conversion of RVP to TVP shall be done in accordance with the procedures in Appendix B. Appendix B is an excerpt from the oil and gas section of "ARB Technical Guidance Document to the Criteria and Guidelines Regulation for AB 2588", dated August 1989. Should the permittee want to use different methodology, then that methodology should be first approved by the District and or the EPA. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
8. The pressure-vacuum relief valve shall be set to within 10 percent of the maximum allowable working pressure of the tank. The pressure-vacuum relief valve shall be permanently labeled with the operating pressure settings. The pressure-vacuum relief valve shall be properly installed and maintained in good operating order in accordance with the manufacturer's instructions, and shall remain in leak-free condition except when the operating pressure exceeds the valve set pressure. [District Rule 4623] Federally Enforceable Through Title V Permit
9. VOC emissions from tanker truck loading operation shall not exceed 1.0 lb/1,000 gallons of pipeline condensate liquid loaded. [District Rule 2201] Federally Enforceable Through Title V Permit
10. The organic liquid loading into tanker truck(s) shall not exceed any of the following limits: 2,000 gallons/day and 16,000 gallons/yr (12-month rolling basis). [District Rules 2201 and 4624] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

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11. The organic liquid drainage from disconnections associated with the tanker truck loadout equipment shall not exceed 10 mL per disconnect. [District Rule 2201] Federally Enforceable Through Title V Permit
12. The total number of disconnects shall not exceed any of the following limits: 3 disconnects/day and 24 disconnects/year (12-month rolling basis). [District Rule 2201] Federally Enforceable Through Title V Permit
13. Fugitive VOC emissions from components (i.e., valves and connectors on the piping downstream of the pipeline liquid collection points (i.e., separators and scrubbers) to the storage tank, including the liquid collection point outlet valves) shall not exceed any of the following limits: 3.3 lb/day and 1,175 lb/year. [District Rule 2201] Federally Enforceable Through Title V Permit
14. Fugitive VOC emissions shall be calculated using the EPA "Protocol for Equipment Leak Emissions Estimates (EPA-453/R-95-017 (November 1995), Table 2-1, Synthetic Organic Chemical Manufacturing Industry (SOCMI) Average Emission Factors. [District Rule 2201] Federally Enforceable Through Title V Permit
15. Except as otherwise provided in this permit, all piping, valves, and fittings under this permit shall be constructed and maintained in a leak-free condition. Leak free condition is defined as a condition without a gas leak or a liquid leak. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
16. A leak-free condition is a condition without a gas leak or a liquid leak. A gas leak is defined as a reading in excess of 10,000 ppmv, above background, as measured by a portable hydrocarbon detection instrument that is calibrated with methane in accordance with the procedures specified in EPA Test Method 21. A liquid leak is defined as the dripping of organic liquid at a rate of more than 3 drops per minute. A gas leak or a liquid leak is a violation of this permit and Rule 4623. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
17. All piping, fittings, and valves under this permit shall be inspected annually to ensure compliance with leak-free condition. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
18. The fixed-roof tank under this permit is a part of Voluntary Tank Preventive Inspection and Maintenance, and Tank Interior Cleaning Program. Failure to comply with applicable requirements of Table 3 and Section 5.7.5 shall be a violation of the provisions of Rule 4623 (5/19/05). [District Rule 4623] Federally Enforceable Through Title V Permit
19. The owner or operator shall notify the District in writing at least three days prior to performing interior tank cleaning activities. Written notification shall include the following information: (a). Permit to Operate number, (b) the date and time that tank cleaning activities will begin, (c) the method to be used to clean the tank, including any solvents to be used, and (d) the method to be used to dispose of the removed sludge, including methods that will be used to control emissions from the receiving vessel and emissions during transport. [District Rule 4623] Federally Enforceable Through Title V Permit
20. The owner or operator shall maintain records of tank cleaning activities for a period of 5 years and present these records to the District upon records. Records should include the final details of the planned activities submitted pursuant to section 5.7.5.1 (in the above condition). [District Rule 4623] Federally Enforceable Through Title V Permit
21. The owner or operator shall comply with the requirements of Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) during the process of draining and refilling the tank with an organic liquid having TVP of 0.5 psia or greater. [District Rule 4623] Federally Enforceable Through Title V Permit
22. The requirements of Section 5.1 (i.e., use of pressure-vacuum relief valve) and Section 5.2 (i.e., pressure-vacuum relief valve setting to be within 10% of the maximum allowable working pressure of the tank) shall not apply to the tank during interior cleaning or maintenance activities. [District Rule 4623] Federally Enforceable Through Title V Permit
23. While performing tank cleaning activities, owner or operator may use the following cleaning agents: diesel, solvents with an initial boiling point of greater than 302 degrees Fahrenheit, solvents with a vapor pressure of less than 0.5 psia, or solvents with 50 grams per liter VOC content or less. [District Rule 4623] Federally Enforceable Through Title V Permit
24. Steam cleaning shall be allowed at locations where wastewater treatment facilities are limited or during the months of December through March. [District Rule 4623] 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.

25. Tank containing an organic liquid with a TVP of 1.5 psia or greater shall control emissions from the removed sludge by complying with all of the following provisions: (a) During sludge removal the operator shall control emissions from the receiving vessel by operating an APCO-approved vapor control device that reduces emissions of organic vapors by at least 95 percent, (b) Operators shall transport removed sludge in closed, liquid leak-free containers, and (c) Notwithstanding item b, operator shall store removed sludge, until final disposal, in leak-free containers, or tanks complying with Section 5.1 requirements of Rule 4623 (i.e., use of pressure-vacuum relief valve). Sludge that is to be used to manufacture roadmix, as defined in Rule 2020 (Exemptions), is exempt from this requirement. Roadmix manufacturing operations exempt pursuant to Rule 2020, shall maintain documentation of their compliance with Rule 2020, and promptly make said documentation available to the APCO upon request. [District Rule 4623] Federally Enforceable Through Title V Permit
26. Hatch, tank seals and seams, cable seals, piping components directly affixed to the tank and within five feet of the tank, including but not limited to valves, flanges, connectors etc. shall be inspected annually using a portable hydrocarbon detection instrument in accordance with EPA Method 21 for components in gas service, visual inspection for components in liquid service, or visual or ultrasonic testing (as appropriate) for external shells and roofs of uninsulated tanks for structural integrity of the tank. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
27. Upon detection of a liquid leak, defined as a leak rate of greater than or equal to 30 drops per minute, operator shall repair the leak within 8 hours. For leaks with a liquid leak rate of between 3 and 30 drops per minute, the leaking component shall be repaired within 24 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
28. Upon detection of a gas leak, defined as a VOC concentration of greater than 10,000 ppmv measured in accordance with EPA Method 21, operator shall take one of the following actions: 1) eliminate the leak within 8 hours after detection; or 2) if the leak cannot be eliminated, then minimize the leak to the lowest possible level within 8 hours after detection by using best maintenance practices, and eliminate the leak within 48 hours after minimization. In no event shall the total time to minimize and eliminate a leak exceed 56 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
29. For leaking components, the operator shall immediately affix a tag and maintain records of liquid leak and gas leak detection readings, date/time leak was discovered, date/time the component was repaired to a leak-free condition, and method used to minimize the gas leak to the lowest possible level within 8 hours after detection. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
30. Leaking tank components affixed to the tank or within five feet of the tank that have been discovered by the operator and that have been immediately tagged and repaired within the specified deadlines shall not constitute a violation of the District Rule 4623. However, leaking components discovered during inspections by District staff that were not previously identified and/or tagged by the operator, and/or any leaks that were not repaired within specified deadlines, shall constitute a violation of the District Rule 4623. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
31. If a component type for a given tank is found to leak during an annual inspection, then conduct quarterly inspections of that component type on the tank or tank system for four consecutive quarters. If a component type is found to have no leak after four consecutive quarterly inspections, then revert to annual inspections. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
32. Any component affixed to the tank or within 5 feet of the tank that is found to be leaking on two consecutive annual inspections is in violation of the District Rule 4623, even if it is under the voluntary inspection and maintenance program. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
33. All components greater than 5 feet from the tank and within 60 ft of the D-1A tank equipment that are found leaking shall be tagged and repaired or replaced within 72 hours of detection. The repaired or replaced equipment must be re-inspected to ensure compliance with leak-free condition. [District Rule 2201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

34. For the components covered under this permit, the owner or operator shall keep records of the type of component, number of components, emission factors, total daily (lb/day) and annual VOC emissions (lb/year). [District Rule 2201] Federally Enforceable Through Title V Permit
35. For each component inspected, the owner or operator shall keep records of the date, name of component, its location, measured ppmv value, the name of the operator and the company conducting the leak inspection. [District Rule 2201] Federally Enforceable Through Title V Permit
36. The owner or operator shall keep records of the date, name of the organic liquid stored in tank D-1A, measured organic liquid RVP, calculated TVP and storage temperature when samples are taken. [District Rules 2201 and 4623] Federally Enforceable Through Title V Permit
37. The owner or operator shall keep records of: a.) date, b.) amount of organic liquid transferred into the tank D-1A (gallons/day), c.) amount of organic liquid transferred into the tank D-1A (gallons/month), and d.) cumulative total amount of organic liquid transferred into the tank in a consecutive 12-month rolling period. [District Rule 2201] Federally Enforceable Through Title V Permit
38. The owner or operator shall keep records of: a.) date, b.) number of disconnects (disconnects/day), c.) number of disconnects (gallons/month), and d.) cumulative total number of disconnects in a consecutive 12-month rolling period. [District Rule 2201] Federally Enforceable Through Title V Permit
39. The owner or operator shall keep records of: a.) date, b.) amount of organic liquid loaded into a tanker truck (gallons/day), c.) amount of organic liquid loaded into a tanker truck (gallons/month), and d.) cumulative total amount of organic liquid loaded into a tanker truck in a consecutive 12-month rolling period. [District Rules 2201 and 4624] Federally Enforceable Through Title V Permit
40. All records shall be retained for a minimum of five years and shall be made available to the District, ARB, or EPA during normal business hours and submitted upon request. [District Rules 2201, 4623 and 4624] 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-608-35-0

**EXPIRATION DATE:** 10/31/2020

**EQUIPMENT DESCRIPTION:**

190 BHP POWER SOLUTIONS INTERNATIONAL, INC. MODEL 8.8L T RICH-BURN NATURAL GAS-FIRED  
EMERGENCY STANDBY IC ENGINE POWERING A KOHLER MODEL 125REZGC ELECTRICAL GENERATOR

## PERMIT UNIT REQUIREMENTS

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1. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. Emissions from this IC engine shall not exceed any of the following limits: 0.116 g-NO<sub>x</sub>/bhp-hr, 0.063 g-PM<sub>10</sub>/bhp-hr, 0.276 g-CO/bhp-hr, or 0.099 g-VOC/bhp-hr. [District Rule 2201] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. This engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. 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
8. This engine shall be operated only for testing and maintenance of the engine, required regulatory purposes, and during emergency situations. Operation of the engine for maintenance, testing, and required regulatory purposes shall not exceed 100 hours per calendar year. [District Rule 4702] Federally Enforceable Through Title V Permit
9. An emergency situation is an unscheduled electrical power outage caused by sudden and reasonably unforeseen natural disasters or sudden and reasonably unforeseen events beyond the control of the permittee. [District Rule 4702] Federally Enforceable Through Title V Permit
10. 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
11. The permittee shall maintain monthly records of emergency and non-emergency operation. Records shall include the number of hours of emergency operation, the date and number of hours of all testing and maintenance operations, the purpose of the operation (for example: load testing, weekly testing, rolling blackout, general area power outage, etc.) and records of operational characteristics monitoring. For units with automated testing systems, the operator may, as an alternative to keeping records of actual operation for testing purposes, maintain a readily accessible written record of the automated testing schedule. [District Rule 4702] 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.

Facility Name: PACIFIC GAS & ELECTRIC CO.

Location: MCDONALD ISLAND COMPRESSOR STATION, HOLT, CA 95234

N-608-35-0 : Sep 9 2021 9:27AM -- GARCIAJ

12. 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.

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# ATTACHMENT C

Detailed Summary List of Facility Permits

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**Detailed Facility Report**  
For Facility=608  
Sorted by Facility Name and Permit Number

<b>PACIFIC GAS &amp; ELECTRIC CO.</b>	<b>FAC #</b>	<b>N 608</b>	<b>TYPE:</b>	<b>TitleV</b>	<b>EXPIRE ON:</b>	<b>10/31/2020</b>
<b>MCDONALD ISLAND COMPRESSOR STATION</b>	<b>STATUS:</b>	<b>A</b>	<b>TOXIC ID:</b>	<b>51373</b>	<b>AREA:</b>	<b>10 / 302</b>
<b>HOLT, CA 95234</b>	<b>TELEPHONE:</b>	<b>5109433811</b>			<b>INSP. DATE:</b>	<b>08/22</b>

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-608-1-6	625 bhp IC engine	3020-10 D	1	577.00	577.00	A	625 BHP CATERPILLAR MODEL G-398 NATURAL GAS FIRED IC ENGINE POWERING AN EMERGENCY GENERATOR (SERIAL # 73B1022) SERVING THE TURNER CUT STATION
N-608-2-6	625 bhp IC engine	3020-10 D	1	577.00	577.00	A	625 BHP CATERPILLAR MODEL G-398 NATURAL GAS FIRED IC ENGINE POWERING AN EMERGENCY GENERATOR (SERIAL # 73B1012) SERVING THE TURNER CUT STATION
N-608-3-6	625 bhp IC engine	3020-10 D	1	577.00	577.00	A	625 BHP CATERPILLAR MODEL G-398 NATURAL GAS FIRED IC ENGINE POWERING AN EMERGENCY GENERATOR (SERIAL # 73B1020) SERVING THE WHISKY SLOUGH STATION
N-608-4-6	625 bhp IC engine	3020-10 D	1	577.00	577.00	A	625 BHP CATERPILLAR MODEL G-398 NATURAL GAS FIRED IC ENGINE POWERING AN EMERGENCY GENERATOR (SERIAL # 73B1025) SERVING THE WHISKY SLOUGH STATION
N-608-5-0	1642 BHP	3020-10 F	1	900.00	900.00	D	1642 BHP NATURAL GAS FIRED COMPRESSOR STATION (K3) *** DELETED PURSUANT TO LETTER FROM PG&E DATED JUNE 6, 1996 (RECEIVED BY THE DISTRICT ON JULY 15, 1996). ***
N-608-6-0	1642 BHP	3020-10 F	1	900.00	900.00	D	1642 BHP NATURAL GAS FIRED COMPRESSOR STATION (K4) **** DELETED PURSUANT TO A LETTER FROM PG&E DATED JUNE 6, 1996 (RECEIVED BY DISTRICT ON JULY 15, 1996)****
N-608-7-7	5.615 MMBtu/hr	3020-02 G	1	980.00	980.00	A	NATURAL GAS DEHYDRATION SYSTEM (TURNER CUT STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-24) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY AN 11.23 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-24) AND A PERMIT EXEMPT REBOILER (#1)
N-608-8-5	One nozzle	3020-11 A	1	42.00	42.00	A	ONE 1,000 GALLON ABOVEGROUND CONVAULT STORAGE TANK SERVED BY AN EBW COAXIAL PHASE I VAPOR RECOVERY SYSTEM (G-70-116-F) AND ONE FUELING POINT WITH ONE GASOLINE DISPENSING NOZZLE SERVED BY A BALANCE PHASE II VAPOR RECOVERY SYSTEM (G-70-116-F).
N-608-13-6	267 bhp IC engine	3020-10 C	1	290.00	290.00	A	267 BHP CATERPILLAR MODEL 3306-DI DIESEL FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP (SERIAL # 64Z204154).
N-608-14-6	267 bhp IC engine	3020-10 C	1	290.00	290.00	A	267 BHP CATERPILLAR MODEL 3306-DI DIESEL FIRED EMERGENCY IC ENGINE POWERING A FIRE PUMP (SERIAL # 64Z204157).
N-608-15-3	220 bhp IC engine	3020-10 C	1	290.00	290.00	D	220 BHP NATURAL GAS FIRED RICH BURN EMERGENCY IC ENGINE POWERING AN ELECTRICAL GENERATOR
N-608-16-4	3,500 gallons	3020-05 A	1	91.00	91.00	D	ONE 3,500 GALLON ABOVEGROUND METHANOL STORAGE TANK (TURNER CUT STATION)
N-608-17-4	3,500 gallons	3020-05 A	1	91.00	91.00	A	ONE 3,500 GALLON ABOVEGROUND METHANOL STORAGE TANK (WHISKY SLOUGH STATION)

# Detailed Facility Report

For Facility=608

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-608-18-3	1,500 bhp	3020-10 F	1	900.00	900.00	D	1,500 BHP WAUKESHA MODEL 9390 GL LEAN BURN NATURAL GAS FIRED IC ENGINE POWERING A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-3)
N-608-19-3	1,500 bhp	3020-10 F	1	900.00	900.00	D	1,500 BHP WAUKESHA MODEL 9390 GL LEAN BURN NATURAL GAS FIRED IC ENGINE POWERING A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-4).
N-608-20-3	1,150 bhp	3020-10 F	1	900.00	900.00	D	1,150 BHP WAUKESHA MODEL 7042 GL LEAN BURN NATURAL GAS FIRED IC ENGINE POWERING A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-5).
N-608-21-3	1,150 bhp	3020-10 F	1	900.00	900.00	D	1,150 BHP WAUKESHA MODEL 7042 GL LEAN BURN NATURAL GAS FIRED IC ENGINE POWERING A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-6).
N-608-24-6	5.615 MMBtu/hr	3020-02 G	1	980.00	980.00	A	NATURAL GAS DEHYDRATION SYSTEM (TURNER CUT STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-7) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY AN 11.23 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-7) AND A PERMIT EXEMPT REBOILER (#2)
N-608-25-8	5.72 MMBtu/hr	3020-02 G	1	980.00	980.00	A	NATURAL GAS DEHYDRATION SYSTEM (WHISKY SLOUGH STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-26) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY A 11.44 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-26) AND A PERMIT EXEMPT REBOILER (#3)
N-608-26-8	5.72 MMBtu/hr	3020-02 G	1	980.00	980.00	A	NATURAL GAS DEHYDRATION SYSTEM (WHISKY SLOUGH STATION) AND ODORIZING SYSTEM (SHARED WITH N-608-25) INCLUDING TWO CONTACT TOWERS AND A 3-PHASE GAS SEPARATOR SERVED BY A 11.44 MMBTU/HR THERMAL OXIDIZER (SHARED WITH N-608-25) AND A PERMIT EXEMPT REBOILER (#4)
N-608-27-2	1,680 bhp IC engine	3020-10 F	1	900.00	900.00	A	1,680 BHP WAUKESHA MODEL L7044GSI NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) AND AN O2 CONTROLLER. THE UNIT POWERS A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-7)
N-608-28-2	1,680 bhp IC engine	3020-10 F	1	900.00	900.00	A	1,680 BHP WAUKESHA MODEL L7044GSI NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) AND AN O2 CONTROLLER. THE UNIT POWERS A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-8)
N-608-29-2	1,680 bhp IC engine	3020-10 F	1	900.00	900.00	A	1,680 BHP WAUKESHA MODEL L7044GSI NATURAL GAS-FIRED IC ENGINE WITH NON-SELECTIVE CATALYTIC REDUCTION (NSCR) AND AN O2 CONTROLLER. THE UNIT POWERS A NATURAL GAS COMPRESSOR (PG&E DESIGNATION K-9)
N-608-30-3	27,707 gallons	3020-05 C	1	165.00	165.00	A	27,000 GALLON NOMINAL (27,707 GALLON GAUGE) CONDENSATE STORAGE TANK (TURNER CUT STATION)
N-608-31-3	27,707 gallons	3020-05 C	1	165.00	165.00	A	27,000 GALLON NOMINAL (27,707 GALLON GAUGE) CONDENSATE STORAGE TANK (WHISKY SLOUGH STATION)

## Detailed Facility Report

For Facility=608

8/24/21

5:01 pm

Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
N-608-32-1	2,000 gallons	3020-05 A	1	91.00	91.00	A	PIPELINE LIQUID TRANSFER, STORAGE, AND LOADOUT OPERATION CONSISTING OF A 2,000 GALLON CONVAULT ABOVEGROUND FIXED ROOF STORAGE TANK (D-10) EQUIPPED WITH A PRESSURE VACUUM RELIEF VALVE, AND TANKER TRUCK LOADOUT EQUIPMENT
N-608-33-1	2,000 gallons	3020-05 A	1	91.00	91.00	A	PIPELINE LIQUID TRANSFER, STORAGE, AND LOADOUT OPERATION CONSISTING OF A 2,000 GALLON CONVAULT ABOVEGROUND FIXED ROOF STORAGE TANK (D-1A) EQUIPPED WITH A PRESSURE VACUUM RELIEF VALVE, AND TANKER TRUCK LOADOUT EQUIPMENT
N-608-35-0	190 bhp IC Engine	3020-10 B	1	143.00	143.00	A	190 BHP POWER SOLUTIONS INTERNATIONAL, INC. MODEL 8.8L T RICH-BURN NATURAL GAS-FIRED EMERGENCY STANDBY IC ENGINE POWERING A KOHLER MODEL 125REZGC ELECTRICAL GENERATOR

Number of Facilities Reported: 1