



AUG 21 2014

James Anderson
Mouren Family Farms, Inc
35244 Oil City Rd
Coalinga, CA 93210

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit
District Facility # C-5169
Project # C-1130864**

Dear Mr. Anderson:

Enclosed for your review is the District's analysis of Mouren Family Farms application for the Federally Mandated Operating Permit for its operation at 20431 W Dorris Ave, Huron, California.

The notice of preliminary decision for this project will be published approximately three days from the date of this letter. After addressing all comments made during the 30-day public notice and the 45-day EPA comment periods, the District intends to issue the Federally Mandated Operating Permit. Please submit your written comments on this project within the 30-day public comment period, as specified in the enclosed public notice.

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

Sincerely,

Arnaud Marjollet
Director of Permit Services

Enclosures

cc: Mike Tollstrup, CARB (w/enclosure) via email
cc: Gerardo C. Rios, EPA (w/enclosure) via email

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed issuance of the Federally Mandated Operating permits to Mouren Family Farms in Huron, California.

The District's analysis of the legal and factual basis for this proposed action, project #C-1130864 is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and at any District office. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed Federally Mandated Operating initial permits. If requested, the District will hold a public hearing regarding issuance of this initial permit. For additional information, please contact the District at (559) 230-6000. Written comments on the proposed initial permit must be submitted by September 26, 2014 to **ARNAUD MARJOLLET, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.**

**AVISO DE DECISIÓN PRELIMINAR
PARA LA PROPUESTA OTORGACIÓN DE
UN PERMISO MANDATORIO FEDERAL PARA OPERAR**

POR EL PRESENTE SE NOTIFICA que el Distrito para el Control de la Contaminación del Aire del Valle de San Joaquín está solicitando comentario del público en la propuesta otorgación de un Permiso Mandatorio Federal Para Operar a Mouren Family Farms en Huron, California.

El análisis del Distrito de los fundamentos jurídicos y fácticos de esta acción propuesta, Número del Proyecto #C-1130864 está disponible para la inspección del público en http://www.valleyair.org/notices/public_notices_idx.htm y en cualquiera de las oficinas del Distrito. No hay cambios en emisiones asociados con esta propuesta acción. Esta será la única oportunidad para que el público haga comentario en las condiciones específicas de esta propuesta renovación otorgación de este permiso inicial Mandatorio Federal Para Operar. Si se solicita, el Distrito tendrá una audiencia pública acerca de la otorgación de este permiso inicial. Para más información en Español, por favor comuníquese con el Distrito al (559) 230-6000. Comentarios por escrito acerca de este propuesto permiso inicial debe ser sometido antes del 26 de Septiembre del 2014 a **ARNAUD MARJOLLET, DIRECTOR DEL DEPARTAMENTO DE PERMISOS, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.**

**NOTICE OF PRELIMINARY DECISION
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The District's analysis of the legal and factual basis for this proposed action, project #C-1130864 is available for public inspection at http://www.valleyair.org/notices/public_notices_idx.htm and at any District office. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed Federally Mandated Operating initial permits. If requested, the District will hold a public hearing regarding issuance of this initial permit. For additional information, please contact the District at (559) 230-6000. Written comments on the proposed initial permit must be submitted by September 26, 2014 to **ARNAUD MARJOLLET, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 EAST GETTYSBURG AVENUE, FRESNO, CA 93726.**

SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

Mouren Family Farms, Inc.

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TITLE V APPLICATION REVIEW

Project #: C-1130864
Deemed Complete: April 17, 2013

Engineer: G. Heinen
Date: August 19, 2014

Facility Number: C-5169
Facility Name: Mouren Family Farms, Inc
Mailing Address: 35244 Oil City Road
Coalinga, CA 93210

Contact Name: Donna Wilt
Phone: (559) 935-1684

Responsible Official: James S. Anderson
Title: Vice President

I. PROPOSAL

Mouren Family Farms, Inc is proposing that an initial Title V permit be issued for its existing agricultural production operation in Huron, CA. The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with those applicable requirements, and to provide the legal and factual basis for proposed permit conditions.

II. FACILITY LOCATION

Mouren Family Farms, Inc agricultural production operation is located at 20431 W Dorris Avenue, north of the town of Huron in Fresno County, CA.

III. EQUIPMENT LISTING

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

IV. GENERAL PERMIT TEMPLATE USAGE

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

V. SCOPE OF EPA AND PUBLIC REVIEW

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

VI. APPLICABLE REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES

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

VII. APPLICABLE REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES

District Rule 1081 - Source Sampling (amended December 16, 1993)

District Rule 1100 - Equipment Breakdown (Amended December 17, 1992) (Non SIP replacement for Fresno County Rule 110)

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

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

District Rule 2020 - Exemptions (Amended December 20, 2007) (SIP version of the Rule) ⇒ (Amended August 18, 2011)

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

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

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

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

District Rule 2201 - New and Modified Stationary Source Review Rule (Amended December 12, 2008) (SIP version of the Rule) ⇒ (Amended April 21, 2011)

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

District Rule 4101 - Visible Emissions (Amended February 17, 2005)

- District Rule 4103 - Open Burning (Amended April 15, 2010)
 - District Rule 4201 - Particulate Matter Concentration (Amended December 17, 1992)
 - District Rule 4550 - Conservation Management Practices (Adopted August 19, 2004)
 - District Rule 4601 - Architectural Coatings (Amended December 17, 2009)
 - District Rule 4621 - Gasoline Transfer into Stationary Storage Containers, Delivery Vessels, and Bulk Plants (Amended December 20, 2007) (SIP version of the Rule) ⇒ (Amended December 19, 2013)
 - District Rule 4622 - Gasoline Transfer into Motor Vehicle Fuel Tanks (Amended December 20, 2007) (SIP version of the Rule) ⇒ (Amended December 19, 2013)
 - District Rule 4701 - Internal Combustion Engines – Phase 1 (Amended August 21, 2003)
 - District Rule 4702 - Internal Combustion Engines (Amended January 21, 2007) (SIP version of the Rule) ⇒ (Amended November 14, 2013)
 - District Rule 4801 - Sulfur Compounds (Amended December 17, 1992) (Non SIP replacement for Fresno County Rule 406)
 - 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 September 16, 2004)
 - District Rule 8081 - Agricultural Sources (Amended September 16, 2004)
- 40 CFR Part 61 Subpart M - National Emission Standard for Asbestos

- 40 CFR Part 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines
- 40 CFR Part 60 Subpart JJJJ – Standards for Performance for Stationary Spark Ignited Internal Combustion Engines
- 40 CFR Part 63 Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines
- 40 CFR Part 64 - Compliance Assurance Monitoring (CAM)
- 40 CFR Part 82 Subparts B & F - Stratospheric Ozone

VIII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE

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

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

1. District Rule 1070 - Inspections (amended December 17, 1992) (Replacement for Fresno County Rule 107)

The purpose of this rule is to explain the District's authority in determining compliance with District rules and regulations. District Rule 1070 had been submitted to the EPA to replace SIP-approved Fresno County APCD Rule 107. However, EPA subsequently removed Fresno County Rule 107 from the California SIP (see 40 CFR Section 52.220). Fresno County Rule 107 was removed when EPA removed various rules describing the investigative and/or enforcement authority of local agencies from the SIP. EPA stated that the reason for removing these rules was that although states may need to adopt such rules to demonstrate adequate enforcement authority under the Clean Air Act, they should not be approved into the SIP to avoid potential conflicts with EPA's independent enforcement authority provided in the Clean Air Act. Although Fresno County Rule 107 is no longer contained in the SIP, the requirements in the rule are also contained in Sections 9.3, 9.4, and 13.2 of District Rule 2520, the District's Title V operating permit program, which has been approved by EPA; therefore, conditions referencing Rule 1070 will also reference Rule 2520 and remain Federally Enforceable through Title V.

a. *C-5169-0-1: Facility-Wide Requirements*

- Conditions 18, 19, 41, and 42 of the requirements of the proposed facility-wide permit assure compliance with this rule.

b. *C-5169-6-2, -7-2, -8-2, -9-2, -12-2, and -13-2: Natural gas-fired engines powering agricultural irrigation pumps*

- Conditions 4 and 5 of the requirements for these permit units assure compliance with this rule.

c. *C-5169-15-1; -16-1; -19-1 to -24-1; and -31-1 to -38-1: Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*

- Condition 5 of the requirements for these permit units assures compliance with this rule.

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

This rule prevents the discharge, from any source, 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.

a. *C-5169-0-1: Facility-Wide Requirements*

- Condition 38 of the requirements of the facility-wide permit is based on compliance with this requirement.

b. *C-5169-15-1; -16-1; -19-1 to -24-1; and -31-1 to -38-1: Tier 3 Certified Diesel-Fired IC Engines Powering Agricultural Irrigation Pumps*

- Condition 3 of the requirements for this permit unit assures compliance with this rule.

3. Title 17 CCR, Section 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression-Ignition (CI) Engines

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

a. *C-5169-15-1 and -16-1: Tier 3 Certified Diesel-Fired IC Engines Powering Agricultural Irrigation Pumps*

- Conditions 4, 6, 7 and 8 of the requirements for these permit units assure compliance with this rule.
 - b. *C-5169-19-1 to -24-1: Transportable Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*
 - Conditions 4, 7, 8, 9 and 10 of the requirements for these permit units assure compliance with this rule.
 - c. *C-5169-31-1 to -38-1: Transportable Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*
 - Conditions 4, 8, 9, 10 and 11 of the requirements for these permit units assure compliance with this rule.
- 4. Public Resources Code 21000-21177: California Environmental Quality Act (CEQA)**
- a. *C-5169-0-1: Facility-Wide Requirements*
 - Condition 40 of the requirements of the facility-wide permit is based on compliance with this requirement.

IX. COMPLIANCE

A. Requirements Addressed by Model General Permit Templates

The applicant is not proposing to use a general permit template for this category. Compliance with all federally applicable requirements will be addressed in the following section of this engineering evaluation.

B. Requirements Not Addressed by Model General Permit Templates

1. District Rule 1081 – Source Sampling

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

- a. *C-5169-6-2, -7-2, -8-2, -9-2, -12-2, and -13-2: Natural gas-fired engines powering agricultural irrigation pumps*

- Condition 1 of the requirements of these permits assures compliance with this rule.

2. District Rule 1100 – Equipment Breakdown

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

Sections 6.0 and 7.0 set forth breakdown procedures and reporting requirements. District Rule 1100 has been submitted to the EPA to replace Fresno County Rule 111. District Rule 1100 is at least as stringent as the county SIP rule addressing breakdowns, as shown in Table 1 below.

Table 1: Comparison of District Rule 1100 to Fresno County Rule 111		
REQUIREMENTS	District Rule 1100	Fresno County Rule 111
A breakdown occurrence must be reported as soon as reasonably possible, but no later than 1 hour after detection.	✓	✓
A variance must be obtained if the occurrence will last longer than a production run or 24 hours, whichever is shorter (96 hours for CEM systems).	✓	✓
A report must be submitted to the APCO within 10 days of the correction of the breakdown occurrence which includes:	✓	✓
A statement that the breakdown condition has been corrected, together with the date of correction and proof of compliance.	✓	✓
A specific statement of the reason(s) or cause(s) for the occurrence sufficient to enable the APCO to determine whether the occurrence was a breakdown condition.	✓	✓
A description of the corrective measures undertaken and/or to be undertaken to avoid such an occurrence in the future.	✓	✓
Pictures of the equipment or controls which failed if available.	✓	✓

a. *C-5169-0-1: Facility-Wide Requirements*

- Conditions 1, 2, and 11 of the requirements of the facility-wide permit assure compliance with this rule.

3. District Rule 1160 - Emission Statements

The purpose of this rule is to provide the District with an accurate accounting of emissions from significant sources with which the District and California EPA Air Resources Board (ARB) can compile an accurate inventory.

Section 5.0 requires the owner or operator of any stationary source to provide the District with a written emissions statement showing actual emissions of reactive organic gases (ROGs) and nitrogen oxides (NOx) from that source. The District may waive this requirement for sources emitting less than 25 tons per year of these pollutants if the District provides the ARB with an emissions inventory of sources emitting greater than 10 tons per year of NOx or ROGs based on the use of emission factors acceptable to the ARB.

a. C-5169-0-1: Facility-Wide Requirements

- Condition 3 of the requirements of the facility-wide permit assures compliance with this rule.

4. District Rule 2010 – Permits Required

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

a. C-5169-0-1: Facility-Wide Requirements

- Condition 4 of the requirements of the facility-wide permit assures compliance with this rule.

5. District Rule 2020 – Exemptions

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

On May 11, 2010, EPA finalized a limited approval and limited disapproval of December 20, 2007 version of District Rule 2020 because the permitting exemption for agricultural sources referenced the CH&SC where the State law has not been submitted for inclusion in the SIP.

On August 18, 2011, the District amended Rule 2020 to address this deficiency by replacing the reference to the CH&SC with clear wording explaining that the exemption applied to agricultural sources with emissions less than one-half of the major source thresholds and that are not required to obtain Title V permits pursuant to District Rule 2520. The amendment also added a definition for agricultural sources and included an exemption for wind machines, which are only used a few nights a year to protect certain crops (e.g. citrus) from frost when temperatures are predicted to drop below 28 °F and have been treated as insignificant sources of emissions.

On December 6, 2011, EPA proposed to approve the August 18, 2011 version of District Rule 2020 into the SIP (76 FR 76112). Because the amendments to District Rule 2020 do not affect the requirements for the permit units at this facility, the changes will not be addressed further in this evaluation.

a. *C-5208-0-1: Facility-Wide Requirements*

- Condition 4 of the requirements of the facility-wide permit assures compliance with this rule.

6. District Rule 2031 – Transfer of Permits

District Rule 2031 prohibits the transfer of Permits to Operate or Authorities to Construct from one location to another, from one piece of equipment to another, or from one person to another unless a new application is filed with and approved by the District.

a. *C-5169-0-1: Facility-Wide Requirements*

- Condition 6 of the requirements of the facility-wide permit assures compliance with this rule.

7. District Rule 2040 – Applications

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

a. *C-5169-0-1: Facility-Wide Requirements*

- Condition 7 of the requirements of the facility-wide permit assures compliance with this rule.

8. District Rule 2070 – Standards for Granting Applications

District Rule 2070 requires sources to be constructed and operated as specified in the Authority to Construct and the Permit to Operate and requires that source comply with the applicable requirements of District Rule 2201 (New and Modified Stationary Source Review Rule), District Rule 4001 (New Source Performance Standards), and District Rule 4002 (National Emissions Standards for Hazardous Air Pollutants). District Rule 2070 also explains the standards by which an APCO may deny an application for an Authority to Construct or Permit to Operate.

a. C-5169-0-1: Facility-Wide Requirements

- Condition 5 of the requirements of the facility-wide permit assures compliance with this rule.

9. District Rule 2080 - Conditional Approval

District Rule 2080 grants the Air Pollution Control Officer (APCO) the authority to issue or revise specific written conditions on an Authority to Construct or a Permit to Operate to assure compliance with emission standards or limitations.

a. C-5169-0-1: Facility-Wide Requirements

- Condition 5 of the requirements of the facility-wide permit assures compliance with this rule.

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

District Rule 2201 applies to new and modifying sources that require a District permit. Previously, agricultural operations in California were exempt from District permitting requirements. Pursuant to California Senate Bill (SB) 700 and effective January 1, 2004, agricultural operations with emissions exceeding ½ the major source threshold for any affected pollutant became subject to District permitting requirements.

With the exception of permit units C-5169-9-1 to -24-1 and -31-1 to -38-1 (transportable IC engines powering irrigation booster pumps), the permit units at this agricultural production facility did not require a permit at the time of installation. Therefore, pursuant to Section 9.0 of District Rule 2020 – Exemptions, these units were not subject to the requirements of District Rule 2201 during the initial permitting action and will not be subject to District Rule 2201 until modified.

In accordance with the White Paper for Streamlined Development of Part 70 Permit Applications, dated July 10, 1995, conditions from the Permit to Operate (PTO) were addressed to define how the PTO conditions should be incorporated into the Title V permit.

- a. *C-5169-15-1 and -16-1: Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*
 - Conditions 1 and 6 to 8 of the requirements for this permit unit assure compliance with this rule.
- b. *C-5169-19-1 to -24-1: Transportable Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*
 - Conditions 1 and 7 to 10 of the requirements for this permit unit assure compliance with this rule.
- c. *C-5169-31-1 to -38-1: Transportable Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*
 - Conditions 1 and 8 to 11 of the requirements for this permit unit assure compliance with this rule.

11. District Rule 2520 - Federally Mandated Operating Permits

The purpose of this rule is to provide for the following: an administrative mechanism for issuing operating permits for new and modified sources of air contaminants in accordance with requirements of 40 CFR Part 70; an administrative mechanism for issuing renewed operating permits for sources of air contaminants in accordance with requirements of 40 CFR Part 70; an administrative mechanism for revising, reopening, revoking, and terminating operating permits for sources of air contaminants in accordance with requirements of 40 CFR Part 70; an administrative mechanism for incorporating requirements authorized by preconstruction permits issued under District Rule 2201 (New and Modified Stationary Source Review) in a Part 70 permit as administrative amendments, provided that such permits meet the necessary procedural and compliance requirements.

Section 5.2 of District Rule 2520 requires that permittees submit applications for Title V permit renewal at least six months prior to permit expiration.

Section 9.3.2 of District Rule 2520 requires that each permit contain periodic monitoring or testing to assure compliance with federally enforceable emission limits or other requirements if none is associated with the applicable requirement. Recordkeeping may be sufficient to meet the requirements of this section. Monitoring and recordkeeping requirements have been incorporated into the permit as appropriate.

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

Section 9.13.1 of District Rule 2520 requires any report or document submitted under a permit requirement or a request for information by the District or EPA contain a certification by a responsible official as to truth, accuracy, and completeness.

Section 9.16 of District Rule 2520 requires that the permittee submit certification of compliance with the terms and standards of Title V permits to the EPA and the District annually (or more frequently as required by the applicable requirement or the District).

Section 10.0 of District Rule 2520 requires any application form, report, or compliance certification submitted pursuant to these regulations shall contain certification of truth, accuracy and completeness by a responsible official.

a. *C-5169-0-1: Facility-Wide Requirements*

- Conditions 5, 8 to 19, 24, 35 to 37, and 43 of the requirements of the facility-wide permit assure compliance with this rule.

Greenhouse Gas Requirements

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

12. District Rule 4101 – Visible Emissions

The purpose of this rule is to prohibit the emissions of visible air contaminants to the atmosphere.

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

Pursuant to Section 4.12, this rule does not apply to emissions subject to or specifically exempt from District Regulation VIII – Fugitive PM10 Prohibitions; therefore, this rule does not apply to emissions from on-field and off-field agricultural operations.

a. C-5169-0-1: Facility-Wide Requirements

- Condition 20 of the requirements of the facility-wide permit assures compliance with this rule.

13. District Rule 4103 - Open Burning

The purpose of this rule is to permit, regulate, and coordinate the use of open burning while minimizing smoke impacts on the public.

This rule applies to open burning conducted in the San Joaquin Valley Air Basin, with the exception of prescribed burning and hazard reduction burning as defined in Rule 4106 (Prescribed Burning and Hazard Reduction Burning).

The District's burn permit program will continue to assure ongoing compliance with the requirements of this rule.

14. District Rule 4201 - Particulate Matter Concentration

The purpose of this rule is to protect the ambient air quality by establishing a particulate matter emission standard. Section 3.0 prohibits the discharge into the atmosphere of dust, fumes, or total suspended particulate matter from any single source operation in excess of 0.1 grain per cubic foot of gas at dry standard conditions.

Permit Units C-5169-15; -16-1; -19-1 to -24-1; and -31-1 to -38-1

The diesel-fired IC engines permitted as units C-5169-15; -16-1; -19-1 to -24-1; and -31-1 to -38-1 are certified to US EPA Tier 3 standards with PM

emissions no greater than 0.15 g/bhp-hr. The following calculation demonstrates that the particulate matter emissions from these units will not exceed the rule limit of 0.1 grain per cubic foot of gas at dry standard conditions:

$$\left(\frac{0.15 \text{ g - PM}}{\text{bhp - hr}}\right) \times \left(\frac{1 \text{ bhp - hr}}{2,545 \text{ Btu}}\right) \times \left(\frac{10^6 \text{ Btu}}{9,051 \text{ dscf}}\right) \times \left(\frac{0.30 \text{ Btu (out)}}{1 \text{ Btu (in)}}\right) \times \left(\frac{15.43 \text{ gr}}{1 \text{ g}}\right) = 0.03 \frac{\text{grain}}{\text{dscf}}$$

Where:

- 0.15 g-PM/bhp-hr - PM Emission Factor for Tier 3 Certified Engine
- 2,545 Btu/bhp-hr - conversion factor for bhp-hr to Btu
- 9,051 dscf/10⁶ Btu - Diesel F Factor @ 60 °F (40 CFR 60, Appendix A-7, Table 19-2 - 9,190 dscf/10⁶ Btu @ 68 °F)
- 0.30 - Typical thermal efficiency of engines
- 15.43 gr/g - Conversion factor for grams to grains

0.03 gr/dscf < 0.1 gr/dscf; therefore, the diesel-fired IC engines permitted as units C-5169-15; -16-1; -19-1 to -24-1; and -31-1 to -38-1 are expected to comply with the emission limit of this rule.

a. *C-5169-15; -16-1; -19-1 to -24-1; and -31-1 to -38-1: Transportable Tier 3 Certified Diesel-Fired IC Engines Powering an Agricultural Irrigation Booster Pumps*

- Condition 2 of the requirements for this permit unit assures compliance with this rule.

Permit Unit C-5169-6-2; -7-2; -8-2; -9-2; -12-2; and -13-2

The natural gas-fired IC engines permitted as units C-5169-6-2, -7-2, -8-2, -9-2, -12-2, and -13-2 have PM emissions based on EPA AP-42 with PM emissions no greater than 0.08 g/bhp-hr. The following calculation demonstrates that the particulate matter emissions from this unit will not exceed the rule limit of 0.1 grain per cubic foot of gas at dry standard conditions:

$$\left(\frac{0.08 \text{ g - PM}}{\text{bhp - hr}}\right) \times \left(\frac{1 \text{ bhp - hr}}{2,542 \text{ Btu}}\right) \times \left(\frac{10^6 \text{ Btu}}{8,587 \text{ dscf}}\right) \times \left(\frac{0.30 \text{ Btu (out)}}{1 \text{ Btu (in)}}\right) \times \left(\frac{15.43 \text{ gr}}{1 \text{ g}}\right) = 0.02 \frac{\text{grain}}{\text{dscf}}$$

Where:

- 0.08 g-PM/bhp-hr - AP-42 (8/00) Table 3.2-3
- 2,542 Btu/bhp-hr - conversion factor for bhp-hr to Btu
- 8,587 dscf/10⁶ Btu - Natural gas F Factor @ 60 °F (40 CFR 60, Appendix B)
- 0.30 - Typical thermal efficiency of engines

15.43 gr/g - Conversion factor for grams to grains

0.02 gr/dscf < 0.1 gr/dscf; therefore, the natural gas-fired IC engines permitted as units C-5169-6-2, -7-2, -8-2, -9-2, -12-2, and -13-2 are expected to comply with the emission limit of this rule.

a. C-5169-6-2; -7-2; -8-2; -9-2; -12-2; and -13-2: *Natural gas-fired engines powering agricultural irrigation pumps*

- Condition 2 of the requirements for these permit units assures compliance with this rule.

15. District Rule 4550 - Conservation Management Practices

This rule applies to agricultural operation sites located within the San Joaquin Valley Air Basin. The purpose of this rule is to limit fugitive dust emissions from agricultural operation sites.

a. C-5169-0-1: *Facility-Wide Requirements*

- Condition 39 of the requirements of the facility-wide permit assures compliance with this rule.

16. District Rule 4601 – Architectural Coatings

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

a. C-5169-0-1: *Facility-Wide Requirements*

- Conditions 21 to 23 of the requirements of the facility-wide permit assure compliance with this rule.

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

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

On October 30, 2009, EPA finalized approval of the December 20, 2007 version of District Rule 4621.

On December 19, 2013, the District amended Rule 4621 to remove ARB certification requirements for a California Air Resources Board (ARB) certified vapor recovery system for aviation gasoline bulk loading operations; because, ARB does not certify such operations.

Because the amendment to District Rule 4621 does not affect the requirements for the permit units at this facility, the changes will not be addressed further in this evaluation.

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

Section 5.2.1.1 prohibits the transfer of gasoline from any delivery vessel into any stationary storage container subject to requirements of this rule unless such container, except those used for aviation gasoline, is equipped with an ARB certified permanent submerged fill pipe and utilizes an ARB certified Phase I vapor recovery system that is maintained and operated according to manufacturer specifications and the applicable ARB Executive Order. As stated above, this section does not apply to the gasoline dispensing operation at this agricultural production facility since it is primarily used for fueling instruments of husbandry.

Section 5.4.1 requires all aboveground storage containers to be constructed and maintained in a leak-free condition.

Section 5.7.2 prohibits the operation of a delivery vessel unless valid State of California decals which attest to the vapor integrity of the container are displayed.

Section 5.7.3 requires that no person shall store gasoline in, otherwise use, or operate any gasoline delivery vessel unless such vessel is designed and maintained to be leak-free. Any delivery vessel into which gasoline vapors have been transferred shall be filled only at loading racks that are equipped with an ARB certified vapor recovery system.

Section 5.7.5 requires that gasoline vapors shall not be purged into the atmosphere.

Section 6.1.1 requires that all data necessary to demonstrate qualifications for the exemptions allowed in this rule shall be maintained on the premise at all times and shall be submitted for District, ARB, or EPA review upon request. Such records shall include exemption status and volume delivered to each stationary storage container serviced.

Section 6.1.4 requires all records needed to demonstrate compliance with the requirements of this rule shall be retained on the premises for a minimum of five years and made available on site during normal business hours to the APCO, ARB, or EPA, and submitted to the APCO, ARB, or EPA upon request.

- a. *C-5169-18-1: Agricultural Gasoline Dispensing Operation with One 10,000 Gallon Aboveground Storage Tank and 1 Fueling Point with 1 Phase II Exempt Gasoline Dispensing Nozzle (Implements of Husbandry)*
 - Conditions 1 to 11 of the requirements for this permit unit assure compliance with this rule.

18. District Rule 4622 - Gasoline Transfer into Motor Vehicle Fuel Tanks

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

On October 30, 2009, EPA finalized approval of the December 20, 2007 version of District Rule 4622.

On December 19, 2013, the District amended Rule 4622 to incorporate an exemption from requiring Phase II vapor recovery systems for E85 (85% ethanol and 15% gasoline) fuel dispensing facilities. Flexible Fuel Vehicles (FFVs) that use E85 fuel are equipped with an Onboard Refueling Vapor Recovery (ORVR) system. As ORVR essentially performs the same function as a Phase II vapor recovery system and each system is required to achieve a minimum vapor control efficiency of 95%, Phase II vapor recovery systems are redundant and unnecessary when fueling ORVR-equipped vehicles. Therefore, the removal of Phase II vapor recovery system for E85 fuel dispensing operation would not result in relaxing current rule requirements and would not result in an increase in emissions.

Because the amendment to District Rule 4622 does not affect the requirements for the permit units at this facility, the changes will not be addressed further in this evaluation.

This rule applies to any gasoline storage and dispensing facility at which gasoline is transferred into motor vehicle fuel tanks except as provided in Section 4.0 (Exemptions).

As stated above, Section 4.1 of District Rule 4621 exempts the gasoline dispensing operation with limited monthly and annual throughput limits. This facility has limited their throughput to less than 10,000 gallons/month

and 24,000 gallons/year; therefore it is exempt from the requirements of District Rule 4622.

- d. *C-5169-18-1: Agricultural Gasoline Dispensing Operation with One 10,000 Gallon Aboveground Storage Tank and 1 Fueling Point with 1 Phase II Exempt Gasoline Dispensing Nozzle (Implements of Husbandry)*
- Conditions 12 and 13 of the requirements for this permit unit assure compliance with the exemption provision of this rule.

19. District Rule 4701 - Internal Combustion Engines – Phase 1

The purpose of this rule is to limit the emissions of nitrogen oxides (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC) from internal combustion engines.

Pursuant to Section 4.1, the provisions of this rule do not apply to engines in agricultural operations in the growing of crops or raising of fowl or animals. The IC engines at this agricultural production facility are used for growing crops and/or raising of fowl or animals and are therefore exempt from this rule.

- a. *C-5169-6-2, -7-2, -8-2, -9-2, -12-2, and -13-2: Natural gas-fired engines powering agricultural irrigation pumps*
- Conditions 1 and 3 of the requirements for these permit units assure compliance with this rule.
- b. *C-5169-15-1; -16-1; -19-1 to -24-1; and -31-1 to -38-1: Tier 3 Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*
- Condition 1 of the requirements for this permit unit assures compliance with this rule.

20. District Rule 4702 - Internal Combustion Engines

The following discussion addresses both SIP and Non SIP versions of this rule.

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

District Rule 4702 as amended August 18, 2011 has been submitted to the EPA to replace District Rule 4702, amended January 18, 2007, which is contained in the SIP. The 2011 amendments to Rule 4702 are more stringent than the 2007 version currently in the SIP. The amendments to Rule 4702 include the following additional requirements and changes:

- 1) Addition of requirements prohibiting the sale of non-agricultural IC engines rated 25 bhp to 50 bhp unless the engines meet the applicable requirements of Code of Federal Regulation (CFR) 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines and 40 CFR 60 Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines for the year in which the ownership of the engine changed.
- 2) Lowering the NO_x emission limit to 11 ppmv @ 15% O₂ for certain categories of full-time non-agricultural IC engines
- 3) Allowing of the alternative option for operators of non-agricultural IC engines to continue complying with the emission limits in the 2007 version of Rule 4702 by paying annual emission reduction fees in lieu of complying with the lower NO_x emission limits in the 2011 rule amendments. The annual emission reduction fees would be used to fund other projects that would result in greater overall reductions.
- 4) Addition of new categories for limited-use engines and lean burn engines used for gas compression; these engines would generally remain subject to the emission limits in that were in the 2007 version of Rule 4702.
- 5) Addition of requirements to limit SO_x emissions by limiting the sulfur content of fuels permitted for use in non-agricultural IC engines
- 6) No changes to emission limits or compliance dates for agricultural IC engines and compression-ignited IC engines except for clarification the requirement that certified Tier 1 and Tier 2 engines must be replaced with a Tier 4 no later than 6/1/2018. This is clarifies the latest compliance date since certified compression-ignited engines were required to comply by 1/1/2015 or 12 years after the installation date; however, the compliance date is based on the engine that was in place on or before June 1, 2006.

As mentioned above and summarized in the tables below, August 18, 2011 amendments to District Rule 4702 did not result in any significant changes to the requirements for agricultural IC engines or compression-ignited IC engines compared to the January 18, 2007 version of District Rule 4702 that is contained in the SIP. The IC engines at this agricultural production facility are used for growing crops and/or raising of fowl or animals. The requirements for these engines are not affected by the latest amendments to District Rule 4702; therefore, further discussion of the August 18, 2011 amendments to District Rule 4702 do not require further discussion.

Table 5: Requirements for Spark-Ignited Agricultural IC Engines in District Rule 4702 as amended 1/18/07 and 8/18/11			
REQUIREMENTS		District Rule 4702 (8/18/11)	SIP District Rule 4702 (1/18/07)
1. Rich-Burn Engine Used Exclusively in Agricultural Operations			
1/18/07: Comply by 1/1/2009 or 1/1/2010 if agreement to electrify; 8/18/11: Compliance dates removed during since the dates have passed	90 ppmv NO _x @ 15 % O ₂ or 80% reduction	✓	✓
	2,000 ppmv CO	✓	✓
	250 ppmv VOC	✓	✓
2. Lean-Burn Engine Used Exclusively in Agricultural Operations			
1/18/07: Comply by 1/1/2009 or 1/1/2010 if agreement to electrify; 8/18/11: Compliance dates removed during since the dates have passed	150 ppmv NO _x @ 15 % O ₂ or 70% reduction	✓	✓
	2,000 ppmv CO	✓	✓
	750 ppmv VOC	✓	✓
3. Certified Spark-Ignited Engine Used Exclusively in Agricultural Operations			
1/18/07: Comply by 6/1/2006 8/18/11: installed on or before 6/16/05	Meet Certified Spark-Ignited Engine Standard of HC+ NO _x < 0.6 g/bhp-hr	✓	✓

Table 6: Requirements for Compression-Ignited IC Engines in District Rule 4702 as amended 1/18/07 and 8/18/11			
REQUIREMENTS		District Rule 4702 (8/18/11)	SIP District Rule 4702 (1/18/07)
1. Non-Certified Compression-Ignited Engine (1/18/07) (installed on or before 6/1/2006 per 8/18/11 amendments)			
a. > 50 bhp ≤ 500 bhp	EPA Tier 3 or Tier 4 by 1/1/2010	✓	✓
b. > 500 bhp ≤ 750 bhp and less than 1,000 annual operating hours	EPA Tier 3 by 1/1/2010	✓	✓

Table 6: Requirements for Compression-Ignited IC Engines in District Rule 4702 as amended 1/18/07 and 8/18/11			
REQUIREMENTS		District Rule 4702 (8/18/11)	SIP District Rule 4702 (1/18/07)
c. > 750 bhp and less than 1,000 annual operating hours	EPA Tier 4 by 7/1/2011	✓	✓
d. > 500 bhp and less than 1,000 annual operating hours	75 ppmv NO _x , 2000 ppmv CO, and 750 ppmv VOC by 1/1/2008 or agreement to electrify by 1/1/2010	✓	✓
2. Certified Compression-Ignited Engine			
a. EPA-Certified Tier 1 or Tier 2 Engine	EPA Tier 4 by 1/1/2015 or 12 years after installation, whichever is later (no later than 6/1/2018 per 8/18/11 amendments)	✓	✓
b. EPA-Certified Tier 3 or Tier 4 Engine	Meet Certified Compression-Ignited Engine Standard in effect at time of installation	✓	✓

District Rule 4702 was further amended on November 14, 2013 and that version has been submitted to the EPA to replace District Rule 4702, amended January 18, 2007, which is contained in the SIP. The 2013 amendments include the 2011 amendment provisions; therefore, as discussed above, they are more stringent than the 2007 version currently in the SIP.

The 2014 amendments to Rule 4702 made administrative updates to rule language to clarify existing rule requirements by adding Federal Register citations to Section 3.37, deleting “stationary” from Section 5.2, deleting “the” from Section 5.10.2, adding “and” to Section 7.5.2.1, adding “source” to Section 7.6.2.2, and by adding a line item to Table 2 to clarify that NO_x limits for lean-burn waste gas fired engines used exclusively in non-Agricultural Operations. This project did not change existing emissions limits or affect air quality.

The IC engines at this agricultural production facility are used for growing crops and/or raising of fowl or animals. The requirements for these engines are not affected by the latest amendments to District Rule 4702; therefore, further discussion of the 2014 amendments to District Rule 4702 do not require further discussion.

There are existing rich-burn natural gas-fired engines for which the facility has submitted a compliance plan to meet the requirements of this rule.

For permits units C-5169-6-2, -7-2, -8-2, -9-2, -12-2, and -13-2, the facility has obtained Authority to Construct (ATC) permits for compliance with this rule requirements. By implementing the ATCs by a specified date, the facility has built a schedule for compliance for the rule.

- a. *C-5169-6-2, -7-2, -8-2, -9-2, -12-2, and -13-2: Natural gas-fired engines powering agricultural irrigation pumps*
 - Condition 1 of the requirements for these permit units assures compliance with this rule.

- e. *C-5169-15-1 and -16-1: Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*
 - Conditions 1, 4, and 6 to 12 of the requirements for this permit unit assure compliance with this rule.

- f. *C-5169-19-1 to -24-1: Transportable Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*
 - Conditions 1, 4, 7, 8, 9, and 11 to 14 of the requirements for this permit unit assure compliance with this rule.

- g. *C-5169-31-1 to -38-1: Transportable Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*
 - Conditions 1, 4, 8 to 15 of the requirements for this permit unit assure compliance with this rule.

21. District Rule 4801 - Sulfur Compounds

District Rule 4801 has been submitted to the EPA to replace Fresno County Rule 407 which is contained in the SIP. District Rule 4801 is as stringent as Fresno County Rule 407, as shown on Table 7 below.

Table 7: Comparison of District Rule 4801 to Fresno County Rule 407		
REQUIREMENTS	District Rule 4801	Fresno County Rule 407
A person shall not discharge into the atmosphere sulfur compounds exceeding in concentration at the point of discharge 0.2 percent by volume calculated as sulfur dioxide on a dry basis averaged over 15 consecutive minutes.	✓	✓
EPA Method 8 and ARB Method 1-100 shall be used to determine such emissions.	✓	

This rule limits the emission of sulfur compounds to 0.2% by volume (2,000 ppmv) calculated as SO₂, on a dry basis averaged over 15 minutes. The engines at this facility will demonstrate compliance with this emission limit by using certified fuels.

The following equation demonstrates that engines fired on diesel fuel with a maximum sulfur content of 0.0015% will not exceed the limits of this rule.

$$0.0015 \% \text{ S} \times \frac{7.05 \text{ lb}}{\text{gal}} \times \frac{64 \text{ lb} \cdot \text{SO}_2}{32 \cdot \text{lb} \cdot \text{S}} \times \frac{10^6 \text{ Btu}}{9,051 \text{ dscf}} \times \frac{1 \text{ gal}}{137,000 \text{ Btu}} \times \frac{\text{lb} \cdot \text{mol}}{64 \text{ lb} \cdot \text{SO}_2} \times \frac{10.73 \text{ psi} \cdot \text{ft}^3}{\text{lb} \cdot \text{mol} \cdot ^\circ\text{R}} \times \frac{519.67^\circ\text{R}}{14.7 \text{ psi}} = 1.0 \text{ ppmv}$$

Where:

Volume SO₂ = nRT/P

n = moles SO₂

T (standard temperature) = 60° F or 519.67° Rankine

R (universal gas constant) = $\frac{10.73 \text{ psi} \cdot \text{ft}^3}{\text{lb} \cdot \text{mol} \cdot ^\circ\text{R}}$

7.05 lb/gal = density of diesel (AP-42 9/85, Appendix A-6)

32 lb-S/lb-mol = Molecular mass of sulfur

64 lb-S/lb-mol = Molecular mass of SO₂

9,051 dscf/10⁶ Btu - Diesel F Factor @ 60 °F (40 CFR 60, Appendix A-7, Table 19-2 - 9,190 dscf/10⁶ Btu @ 68 °F)

137,000 Btu/gal = Heat content of diesel (AP-42 9/85, Appendix A-5)

Since 1.0 ppmv is < 2000 ppmv and all of the engines will be fired on ARB diesel fuel with a maximum sulfur content of 0.0015%, compliance with District Rule 4801 is expected.

a. *C-5169-15-1 and -16-1: Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*

- Condition 8 of the requirements for this permit unit assures compliance with this rule.

b. *C-5169-19-1 to -24-1: Transportable Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*

- Condition 9 of the requirements for this permit unit assures compliance with this rule.

c. C-5169-31-1 to -38-1: Transportable Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps

- Condition 10 of the requirements for this permit unit assures compliance with this rule.

The following equation demonstrates that engines fired on natural gas with a maximum sulfur content of 2.85 pounds sulfur per MMscf of gas will not exceed the limits of this rule.

$$2.85 \frac{\text{lb-S}}{\text{MMscf-gas}} \times \frac{1 \text{ scf-gas}}{1,000 \text{ Btu}} \times \frac{1 \text{ MMBtu}}{8,578 \text{ scf}} \times \frac{1 \text{ lb-mol}}{64 \text{ lb-S}} \times \frac{10.73 \text{ psi-ft}^3}{\text{lb-mol-}^\circ\text{R}} \times \frac{520^\circ\text{R}}{14.7 \text{ psi}} \times 1,000,000 = 1.97 \text{ ppmv}$$

Where:

$$\text{Volume SO}_2 = nRT/P$$

$$n = \text{moles SO}_2$$

$$T (\text{standard temperature}) = 60^\circ \text{F or } 519.67^\circ \text{Rankine}$$

$$R (\text{universal gas constant}) = \frac{10.73 \text{ psi} \cdot \text{ft}^3}{\text{lb} \cdot \text{mol} \cdot ^\circ\text{R}}$$

$$32 \text{ lb-S/lb-mol} = \text{Molecular mass of sulfur}$$

$$64 \text{ lb-S/lb-mol} = \text{Molecular mass of SO}_2$$

$$8,578 \text{ dscf}/10^6 \text{ Btu} - \text{Natural gas F Factor @ } 60^\circ \text{F (40 CFR 60, Appendix B)}$$

Since 1.97 ppmv is < 2000 ppmv and the engines which will be fired on natural gas fuel with a maximum sulfur content of 0.0015%, compliance with District Rule 4801 is expected.

a. C-5169-6-2; -7-2; -8-2; -9-2; -12-2, and -13-2: Natural gas-fired engines powering agricultural irrigation pumps

- Condition 1 of the requirements for these permit units assures compliance with this rule.

22. District Rule 8011 - General Requirements

The purpose of Regulation VIII (Fugitive PM₁₀ Prohibitions) is to reduce ambient concentrations of fine particulate matter (PM₁₀) by requiring actions to prevent, reduce or mitigate anthropogenic fugitive dust emissions. The Rules contained in this Regulation have been developed pursuant to United States Environmental Protection Agency guidance for Serious PM₁₀ Nonattainment Areas. The rules are applicable to specified anthropogenic fugitive dust sources. Fugitive dust contains PM₁₀ and particles larger than PM₁₀. Controlling fugitive dust missions when visible

emissions are detected will not prevent all PM₁₀ emissions, but will substantially reduce PM₁₀ emissions.

The provisions of this rule are applicable to specified outdoor fugitive dust sources. The definitions, exemptions, requirements, administrative requirements, recordkeeping requirements, and test methods set forth in this rule are applicable to all Rules under Regulation VIII (Fugitive PM₁₀ Prohibitions) of the Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District.

a. *C-5169-0-1: Facility-Wide Requirements*

- Conditions 27 to 33 of the requirements of the facility-wide permit assure compliance with this rule.

23. District Rule 8021 - Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities

The purpose of this rule is to limit fugitive dust emissions from construction, demolition, excavation, extraction, and other earthmoving activities.

This rule applies to any construction, demolition, excavation, extraction, and other earthmoving activities, including, but not limited to, land clearing, grubbing, scraping, travel on site, and travel on access roads to and from the site. This rule also applies to the construction of new landfill disposal sites or modification to existing landfill disposal sites prior to commencement of landfilling activities.

Section 5.0 requires that no person shall perform any construction, demolition, excavation, extraction, or other earthmoving activities unless the appropriate requirements in sections 5.1 and 5.2 are sufficiently implemented to limit Visible Dust Emissions (VDE) to 20% opacity or less. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

a. *C-5169-0-1: Facility-Wide Requirements*

- Condition 27 of the requirements of the facility-wide permit assures compliance with this rule.

24. District Rule 8031 - Bulk Materials

The purpose of this rule is to limit fugitive dust emissions from the outdoor handling, storage, and transport of bulk materials. This rule applies to the outdoor handling, storage, and transport of any bulk material.

Section 5.0 requires that no person shall perform any outdoor handling, storage, and transport of bulk materials unless the appropriate requirements in Table 8031-1 of this rule are sufficiently implemented to limit Visible Dust Emissions (VDE) to 20% opacity or less or to comply with the conditions for a stabilized surface as defined in Rule 8011. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

Section 4.5 exempts agricultural sources subject to, or specifically exempt from, the requirements of Rule 8081 (Agricultural Sources) from the requirements of this rule. Section 3.1 of District Rule 8011 defines an agricultural source as "any activity or portion of land associated with the commercial growing of crops or the raising of fowl or animals." Since this facility is an agricultural source subject to the requirements of Rule 8081 (Agricultural Sources), it is exempt from the requirements of this rule.

a. C-5169-0-1: Facility-Wide Requirements

- Condition 28 of the requirements of the facility-wide permit assures compliance with this rule.

25. District Rule 8041 - Carryout and Trackout

The purpose of this rule is to limit fugitive dust emissions from carryout and trackout. This rule applies to all sites that are subject to Rules 8021 (Construction, Demolition, Excavation, Extraction, and other Earthmoving Activities), 8031 (Bulk Materials), and 8071 (Unpaved Vehicle and Equipment Traffic Areas) where carryout or trackout has occurred or may occur.

Section 5.0 requires that the owner or operator shall sufficiently prevent or cleanup carryout and trackout as specified in sections 5.1 through 5.8. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII. The use of blower devices, or dry rotary brushes or brooms, for removal of carryout and trackout on public roads is expressly prohibited. The removal of carryout and trackout from paved public roads does not exempt an owner or operator from obtaining state or local agency permits which may be required for the cleanup of mud and dirt on paved public roads.

Section 4.1 exempts carryout and trackout caused by an Agricultural Source from the requirements of this rule. Section 3.1 of District Rule 8011 defines an agricultural source as “any activity or portion of land associated with the commercial growing of crops or the raising of fowl or animals.” Since this facility is an agricultural source, carryout and trackout from this facility is exempt from the requirements of this rule.

a. *C-5169-0-1: Facility-Wide Requirements*

- Condition 29 of the requirements of the facility-wide permit assures compliance with this rule.

26. District Rule 8051 - Open Areas

The purpose of this rule is to limit fugitive dust emissions from open areas. This rule applies to any open area having 3.0 acres or more of disturbed surface area that has remained undeveloped, unoccupied, unused, or vacant for more than seven days.

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

a. *C-5169-0-1: Facility-Wide Requirements*

- Condition 30 of the requirements of the facility-wide permit assures compliance with this rule.

27. District Rule 8061 - Paved and Unpaved Roads

The purpose of this rule is to limit fugitive dust emissions from paved and unpaved roads by implementing control measures and design criteria. This rule applies to any new or existing public or private paved or unpaved road, road construction project, or road modification project.

Section 4.3 exempts agricultural sources subject to, or specifically exempt from, the requirements of Rule 8081 (Agricultural Sources) from the requirements of this rule. Section 3.1 of District Rule 8011 defines an agricultural source as “any activity or portion of land associated with the commercial growing of crops or the raising of fowl or animals.” Since this

facility is an agricultural source subject to the requirements of Rule 8081 (Agricultural Sources), it is exempt from the requirements of this rule.

28. District Rule 8071 - Unpaved Vehicle/Equipment Traffic Area

The purpose of this rule is to limit fugitive dust emissions from unpaved vehicle and equipment traffic areas by implementing control measures and design criteria. This rule applies to any unpaved vehicle/equipment traffic area of 1.0 acre or larger.

Section 4.2 exempts agricultural sources subject to, or specifically exempt from, the requirements of Rule 8081 (Agricultural Sources) from the requirements of this rule. Section 3.1 of District Rule 8011 defines an agricultural source as “any activity or portion of land associated with the commercial growing of crops or the raising of fowl or animals.” Since this facility is an agricultural source subject to the requirements of Rule 8081 (Agricultural Sources), it is exempt from the requirements of this rule.

29. District Rule 8081 - Agricultural Sources

The purpose of this rule is to limit fugitive dust emissions from agricultural sources. This rule applies to off-field agricultural sources.

Section 5.0 requires that an owner or operator shall comply with Sections 5.1 through 5.3 of Rule 8081 and sufficiently implement at least one of the control measures indicated in each section of Table 8081-1 to limit Visible Dust Emissions (VDE) to 20% opacity or to comply with the conditions for a stabilized surface as defined in Rule 8011. In addition to the requirements of this rule, a person shall comply with all other applicable requirements of Regulation VIII.

a. C-5169-0-1: Facility-Wide Requirements

- Condition 33 of the requirements of the facility-wide permit assures compliance with this rule.

30. 40 CFR 60 Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

The purpose of 40 CFR 60 Subpart IIII is to establish New Source Performance Standards (NSPS) to reduce emissions of NO_x, SO_x, PM, CO, and VOC from new stationary compression ignition (CI) internal combustion (IC) engines.

The compression ignition (CI) internal combustion (IC) engines at this facility are not stationary units; therefore, 40 CFR 60 Subpart IIII does not apply to the IC engines at this facility.

31. 40 CFR 60 Subpart JJJJ – Standards for Performance for Stationary Spark Ignited Internal Combustion Engines

The purpose of 40 CFR 60 Subpart JJJJ is to establish New Source Performance Standards (NSPS) to reduce emissions of NO_x, SO_x, PM, CO, and VOC from new stationary reciprocating spark ignited IC engines.

This subpart, however, does not apply to the spark ignited IC engines at this facility since the engines were installed prior to the July 12, 2006 applicability date.

32. 40 CFR Parts 61.145 and 61.150 (40 CFR 61 Subpart M) - National Emissions Standards for Asbestos (District Rule 4002)

These are applicable requirements from the National Emissions Standards for Hazardous Air Pollutants that apply to all sources in general. These requirements pertain to asbestos removal and disposal from renovated or demolished structures.

a. C-5169-0-1: Facility-Wide Requirements

- Condition 34 of the requirements of the facility-wide permit assures compliance with this rule.

33. 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

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

Subpart ZZZZ applies to any existing, new, or reconstructed stationary RICE located at a major or area source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand. This facility is an area source of HAP emissions; therefore, this subpart applies.

Existing stationary RICE are defined as those which construction or reconstruction of the stationary RICE commenced before June 12, 2006. Engines covered by permit units C-5169-6-2, -7-2, -8-2, -9-2, -12-2, -13-2, -15-1 and -16-1 are defined as "existing" since installation was prior to June 12, 2006. The remaining engines are not stationary; therefore, permit units C-5169-19-1 to -24-1; and -31-1 to -38-1 are exempt from the provisions of Subpart ZZZZ.

Existing stationary CI RICE located at an area source of HAP emissions, must comply with the applicable emission limitations, operating limitations, and other requirements no later than May 3, 2013. The stationary IC engines at this facility are existing CI RICE located at an area source of HAP emissions; therefore, the full compliance date for this subpart for all engines at the facility was May 3, 2013.

§ 63.6603 An existing stationary RICE located at an area source of HAP emissions must comply with the requirements in Table 2d (*Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions*) to this subpart and the operating limitations in Table 1b (*Operating Limitations for Existing, New, and Reconstructed SI 4SRB Stationary RICE >500 HP Located at a Major Source of HAP Emissions*) and Table 2b (*Operating Limitations for New and Reconstructed 2SLB and CI Stationary RICE >500 HP Located at a Major Source of HAP Emissions, New and Reconstructed 4SLB Stationary RICE \geq 250 HP Located at a Major Source of HAP Emissions, Existing CI Stationary RICE >500 HP*) to this subpart that apply to you.

An existing non-emergency CI RICE with a site rating of more than 300 HP located at an area source of HAP emissions that is certified to the Tier 3 (Tier 2 for engines above 560 kilowatt (kW)) emission standards in Table 1 of 40 CFR 89.112, may comply with the requirements under this part by meeting the requirements for Tier 3 engines (Tier 2 for engines above 560 kW) in 40 CFR part 60 subpart IIII instead of the emission limitations and other requirements that would otherwise apply under this part for existing non-emergency CI RICE with a site rating of more than 300 HP located at an area source of HAP emissions.

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

Table 2d lists the following requirements for existing, stationary, non-emergency, non-black start CI RICE, $300 < \text{HP} \leq 500$, located at area sources of HAP emissions:

- Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd at 15 percent O₂; or Reduce CO emissions by 70 percent or more.
- Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

§ 63.6604 An existing non-emergency, non-black start CI stationary RICE with a site rating of more than 300 brake HP with a displacement of less than 30 liters per cylinder that uses diesel fuel, must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel. 40 CFR 80.510(b) requires that nonroad diesel fuel has a sulfur content of 15 ppm maximum.

§ 63.6625 An existing non-emergency, non-black start four-stroke, rich burn (4SRB) stationary RICE with a site rating less than or equal to 500 HP located at an area source of HAP emissions, must operate and maintain the stationary RICE and after-treatment control device (if any) according to the manufacturer's emission-related written instructions or develop a specific 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:

An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions or an existing emergency stationary RICE located at an area source of HAP emissions, must be equipped with a non-resettable hour meter.

An existing non-emergency, non-black start CI engine greater than or equal to 300 HP that is not equipped with a closed crankcase ventilation system, must comply with either paragraph (g)(1) or paragraph (2) of this section. Owners and operators must follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters, or can request the Administrator to approve different maintenance requirements that are as protective as manufacturer requirements. Existing CI engines located at area sources in areas of Alaska that meet either § 63.6603(b)(1) or § 63.6603(b)(2) do not have to meet the requirements of this paragraph (g). Existing CI engines located on offshore vessels that meet § 63.6603(c) do not have to meet the requirements of this paragraph (g).

§ 63.6640 Demonstration is required of continuous compliance with each applicable emission limitation, operating limitation, and other requirements in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d according to methods specified in Table 6 to this subpart.

Operators must report each instance in which the engine did not meet each applicable emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in § 63.6650. If the catalyst is changed, the operator must reestablish the values of the operating parameters measured during the initial performance test. When reestablishing the values of the operating parameters, the operator must also conduct a performance test to demonstrate that the engine is meeting the applicable emission limitation.

Applicable Requirements from Table 6 to Subpart ZZZZ of Part 63 - Continuous Compliance With Emission Limitations, Operating Limitations, Work Practices, and Management Practices

Existing non-emergency stationary CI RICE ≤ 300 HP located at an area source of HAP must meet the following Work or Management Practices, except during periods of startup:

- Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or
- Develop and follow a site specific maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

§ 63.6635 Monitoring and data collection is required to demonstrate continuous compliance with applicable requirements. Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, continuous monitoring is required whenever the RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

§ 63.6645 Operators must submit all of the notifications in §§ 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that

apply to you by the dates specified if for an existing stationary RICE located at an area source of HAP emissions.

- If a performance test is required, a Notification of Intent to conduct a performance test must be submitted at least 60 days before the performance test is scheduled to begin as required in §63.7(b)(1).

§ 63.6650 Operators must submit each report in Table 7 of this subpart that applies, by the date indicated in that table.

§ 63.6655 Recordkeeping is required for engines which must comply with the emission and operating limitations. This section specifies the specific recordkeeping requirements.

§ 63.6660 Records must be in a form suitable and readily available for expeditious review according to § 63.10(b)(1). Record must be kept for five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

- a. *C-5169-6-2; -7-2; -8-2; -9-2; -12-2; and -13-2: Natural gas-fired engines powering agricultural irrigation pumps*

For permits units C-5169-6-2, -7-2, -8-2, -9-2, -12-2, and -13-2, the facility has obtained Authority to Construct (ATC) permits for compliance with this Regulation. By implementing the ATCs by a specified date, the facility has built a schedule for compliance for the Regulation.

- Condition 1 of the requirement for these permit units assures compliance with this rule.

- b. *C-5169-15-1 and -16-1: Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*

Permit units C-5169-15-1 and -16-1, were installed prior to June 12, 2005 so they are considered to be existing CI RICE. Since these engines are existing, non-emergency, CI RICE, with a site rating of more than 300 HP, located at an area source of HAP emissions and certified to the Tier 3; therefore, they meet the emission requirements.

- Conditions 8, 9 and 11 of the requirements for this permit unit assure compliance with this rule.

34. 40 CFR Parts 64, Compliance Assurance Monitoring (CAM)

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.

- b. *C-5169-6-2; -7-2; -8-2; -9-2; -12-2; and -13-2: Natural gas-fired engines powering agricultural irrigation pumps*

The requirements for these permit units include emission rate limits; however, these units are not equipped with add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, CAM is not required.

- c. *C-5169-15; -16-1; -19-1 to -24-1; and -31-1 to -38-1: Tier 3 certified diesel-fired IC engines powering agricultural irrigation pumps*

The requirements for these permit units include emission rate limits; however, these units are not equipped with add-on controls for any pollutant that would cause the unit to be subject to these requirements. Therefore, CAM is not required.

- c. *C-5169-9-1: Agricultural Gasoline Dispensing Operation with One 500 Gallon Phase I Exempt Aboveground Storage Tank and 1 Fueling Point with 1 Phase II Exempt Gasoline Dispensing Nozzle (Implements of Husbandry)*

These emission factors were obtained from Appendix A - Emission Factors For Gasoline Stations published by CAPCOA Air Toxic "Hot Spots" Program in the "Gasoline Service Station Industrywide Risk Assessment Guidelines" dated November 1997.

VOC Emission Factors Uncontrolled	
Emission Factor (lb-VOC/1,000 gal)	Emission Source
8.4	Tank filling loss (uncontrolled)
0.053	Breathing Loss (A/G tank)
8.4	Vehicle fueling loss (uncontrolled)
0.42	Spillage
17.4	Total VOC Losses

The maximum annual throughput (gal/yr) to qualify for phase 2 exemption = 24,000 gal/yr. Based on this limit and the uncontrolled emission factor, annual emissions are calculated as follows:

$$\begin{aligned}
 \text{Annual PE} &= \text{Annual throughput (gal/yr)} \times \text{EF (lb-VOC/1,000 gal)} \\
 &= 24,000 \text{ (gal/yr)} \times 17.4 \text{ (lb-VOC/1,000 gal)} \\
 &= 418 \text{ lb-VOC/yr}
 \end{aligned}$$

The annual uncontrolled emissions are less than the major source threshold of 20,000 lb VOC/year. Therefore, CAM is not required.

35. 40 CFR Part 82, Subpart B and F – Stratospheric Ozone

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

a. C-5169-0-1: Facility-Wide Requirements

- Conditions 25 and 26 of the requirements of the facility-wide permit assure compliance with this rule.

X. PERMIT SHIELD

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

A. Requirements Addressed by Model General Permit Templates

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

B. Requirements not Addressed by Model General Permit Templates

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

XI. PERMIT CONDITIONS

See draft operating permit in Attachment B.

Attachment A

Detailed Facility Printout

MOUREN FAMILY FARMS, INC	FAC #	C 5169	TYPE:	Titlev	EXPIRE ON:
20431 W DORRIS AVE	STATUS:	A	TOXIC ID:		AREA:
HURON, CA 93234	TELEPHONE:				INSP. DATE:
					5 / 10/15

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-5169-6-0	432 bhp Nat Gas ICE	3020-10 D	1	479.00	479.00	A	432 HP CUMMINS MODEL GTA19 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP
C-5169-7-0	432 bhp Nat Gas ICE	3020-10 D	1	479.00	479.00	A	432 HP CUMMINS MODEL GTA19 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP
C-5169-8-0	304 bhp Nat Gas ICE	3020-10 C	1	240.00	240.00	A	304 HP CUMMINS MODEL GTA85513 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP
C-5169-9-0	432 bhp Nat Gas ICE	3020-10 D	1	479.00	479.00	A	432 HP CUMMINS MODEL GTA19 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP
C-5169-12-0	432 bhp Nat Gas ICE	3020-10 D	1	479.00	479.00	A	432 HP CUMMINS MODEL GTA19 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP
C-5169-13-0	432 bhp Nat Gas ICE	3020-10 D	1	479.00	479.00	A	432 HP CUMMINS MODEL GTA19 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP
C-5169-15-0	420 bhp DICE pump	3020-10 D	1	479.00	479.00	A	420 BHP VOLVO MODEL TAD 1252VE SERIAL D1260635D1A TIER 3 DIESEL-FIRED IC ENGINE POWERING A STATIONARY AGRICULTURAL IRRIGATION PUMP (DE'LAN MODEL G350A GEAR DRIVE)
C-5169-16-0	420 bhp DICE pump	3020-10 D	1	479.00	479.00	A	420 BHP VOLVO MODEL TAD 1252VE SERIAL 2012607305 TIER 3 DIESEL-FIRED IC ENGINE POWERING A STATIONARY AGRICULTURAL IRRIGATION PUMP (DE'LAN MODEL G300A GEAR DRIVE)
C-5169-18-0	1 Nozzle	3020-11 A	1	34.00	34.00	A	AGRICULTURAL GASOLINE DISPENSING OPERATION WITH ONE 10,000 GALLON ABOVEGROUND STORAGE TANK SERVED BY PHASE I VAPOR RECOVERY SYSTEM AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE
C-5169-19-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164561 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 12)
C-5169-20-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164571 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 9)
C-5169-21-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L145265 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 15)
C-5169-22-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164570 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 7)

Detailed Facility Report

For Facility=5169 and excluding Deleted Permits
Sorted by Facility Name and Permit Number

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-5169-23-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164560 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 11)
C-5169-24-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L175215 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 13)
C-5169-31-0	173 bhp DICE Pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L156920 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 10)
C-5169-32-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164563 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 1)
C-5169-33-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164569 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 4)
C-5169-34-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164564 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 3)
C-5169-35-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164566 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 2)
C-5169-36-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164567 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 5)
C-5169-37-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L156919 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 6)
C-5169-38-0	173 bhp DICE pump	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L132502 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 14)

Number of Facilities Reported: 1

Attachment B

Draft SJVUAPCD Permits

San Joaquin Valley Air Pollution Control District

FACILITY: C-5169-0-1

EXPIRATION DATE: 12/31/2014

FACILITY-WIDE REQUIREMENTS

1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100; Fresno County Rule 110] 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; Fresno County Rule 110] 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] 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; 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; 2080; and 2520] 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 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] 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] 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: MOUREN FAMILY FARMS, INC
Location: 20431 W DORRIS AVE, HURON, CA 93234
C-5169-0-1 Aug 21 2014 2:08PM - HEINENG

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] 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. [District Rules 2520 and 1100] 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] 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] 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] 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] 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] 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] 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 1070 and 2520] 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 1070 and 2520] Federally Enforceable Through Title V Permit
20. 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. If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101] Federally Enforceable Through Title V Permit
21. 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 for use or sale within the District. [District Rule 4601] Federally Enforceable Through Title V Permit
22. All VOC-containing materials subject to Rule 4601 shall be stored in closed containers when not in use. [District Rule 4601] 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. The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601. [District Rule 4601] Federally Enforceable Through Title V Permit
24. 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] Federally Enforceable Through Title V Permit
25. 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
26. 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
27. 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 or Rule 8011. [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
28. 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 or Rule 8011. [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
29. 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 or Rule 8011. [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
30. 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 or Rule 8011. [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
31. 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 or Rule 8011. [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit
32. 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 or Rule 8011. [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
33. The owner or operator shall comply with Sections 5.1 through 5.3 of District Rule 8081 and shall sufficiently implement at least one of the control measures indicated in each section of Table 8081-1 to limit Visible Dust Emissions to 20% opacity or to comply with the conditions for a stabilized surface as defined in Rule 8011, unless specifically exempted under Section 4.0 of Rule 8081 or Rule 8011. The owner or operator shall also comply with all applicable requirements of Regulation VIII unless specifically exempted by the applicable rules. [District Rule 8081 and 8011] Federally Enforceable Through Title V Permit
34. 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.

35. 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] Federally Enforceable Through Title V Permit
36. 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] Federally Enforceable Through Title V Permit
37. 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] Federally Enforceable Through Title V Permit
38. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
39. The owner or operator shall implement the applicable conservation management practices (CMP) selected in the approved CMP plan pursuant to Section 6.2 of District Rule 4550. The owner or operator shall submit a CMP application to the APCO prepared pursuant to Section 6.1 of District Rule 4550 within 90 days for an agricultural operation site or an agricultural parcel that is acquired or becomes subject to District Rule 4550 and within 60 days of any operational, administrative, or other modification that necessitates revision of the CMP Plan. The owner or operator shall maintain a copy of each CMP application, CMP plan, and any supporting information necessary to confirm the implementation of the CMPs for a minimum of five (5) years. [District Rule 4550] Federally Enforceable Through Title V Permit
40. This permit does not authorize the violation of any conditions established for this facility in the Conditional Use Permit (CUP), Special Use Permit (SUP), Site Approval, Site Plan Review (SPR), or other approval documents issued by a local, state, or federal agency. [Public Resources Code 21000-21177: California Environmental Quality Act]
41. Facility-wide NO_x emissions from all engines shall not exceed any of the following limits in any rolling 12-consecutive month period: NO_x - 177,949 lb/year; VOC - 42,197 lb/year; CO - 699,479 lb/year; PM₁₀ - 9,727 lb/year; or SO_x - 718 lb/year. [District Rule 2080] Federally Enforceable Through Title V Permit
42. On a monthly basis, the permittee shall calculate and record the facility-wide engine emissions, in pounds, from the preceding 12 months. The facility-wide engine emissions shall be calculated by summing the emissions from the previous 12 months from every permitted engine at this facility. [District Rule 1070 and 2520] Federally Enforceable Through Title V Permit
43. On MONTH DAY, YEAR, the initial Title V permit was issued. The reporting periods for the Report of Required Monitoring and the Compliance Certification Report are based upon this initial permit issuance date, unless alternative dates are approved by the District Compliance Division. These reports are due within 30 days after the end of the reporting period. [District Rule 2520] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-6-2

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

432 BHP CUMMINS MODEL GTA19 SN 25226944 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. In order to ensure compliance with the requirements of District Rule 4702, Internal Combustion Engines and 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, Authority to Construct (ATC) C-5169-6-1 shall be fully implemented within twelve months of the finalized Title V permit for this facility. [District Rules 2520, 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
4. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$$
[District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-7-2

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

432 BHP CUMMINS MODEL GTA19 SN 25227695 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. In order to ensure compliance with the requirements of District Rule 4702, Internal Combustion Engines and 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, Authority to Construct (ATC) C-5169-6-1 shall be fully implemented within twelve months of the finalized Title V permit for this facility. [District Rules 2520, 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
4. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-8-2

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

304 BHP CUMMINS MODEL GTA-855B SN 11840782 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. In order to ensure compliance with the requirements of District Rule 4702, Internal Combustion Engines and 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, Authority to Construct (ATC) C-5169-6-1 shall be fully implemented within twelve months of the finalized Title V permit for this facility. [District Rules 2520, 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
4. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula: $\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-9-2

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

432 BHP CUMMINS MODEL GTA-19 SN 25227696 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. In order to ensure compliance with the requirements of District Rule 4702, Internal Combustion Engines and 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, Authority to Construct (ATC) C-5169-6-1 shall be fully implemented within twelve months of the finalized Title V permit for this facility. [District Rules 2520, 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
4. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-12-2

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

432 BHP CUMMINS MODEL GTA-19 SN 25227056 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. In order to ensure compliance with the requirements of District Rule 4702, Internal Combustion Engines and 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, Authority to Construct (ATC) C-5169-6-1 shall be fully implemented within twelve months of the finalized Title V permit for this facility. [District Rules 2520, 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
4. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NO_x/hp-hr; 0.012 g-SO_x/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM₁₀/hp-hr. [District Rule 2080] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$$
[District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-13-2

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

432 BHP CUMMINS MODEL GTA-19 SN 25227055 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

PERMIT UNIT REQUIREMENTS

1. In order to ensure compliance with the requirements of District Rule 4702, Internal Combustion Engines and 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines, Authority to Construct (ATC) C-5169-6-1 shall be fully implemented within twelve months of the finalized Title V permit for this facility. [District Rules 2520, 4702, and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702] Federally Enforceable Through Title V Permit
4. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$$
[District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-15-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

420 BHP VOLVO MODEL TAD 1252VE SN D1260635D1A TIER 3 DIESEL-FIRED IC ENGINE POWERING A STATIONARY AGRICULTURAL IRRIGATION PUMP (DE'ARAN MODEL G350A GEAR DRIVE)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. Emissions from this engine shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.14 g-VOC/bhp-hr, or 0.6 g-CO/bhp-hr. [District Rules 2201 and 4702, 17 CCR 93115 and 40 CFR 60.4204(b)] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.10 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, 17 CCR 93115, and 40 CFR 60.4204(b)] Federally Enforceable Through Title V Permit
8. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801, 17 CCR 93115, and 40 CFR 60.4207] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 60.4211(a)] Federally Enforceable Through Title V Permit
10. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. Additionally, the owner/operator shall retain documentation from the engine manufacturer that the engine is Tier 3 certified. [District Rule 4702 and 40 CFR 60.4214(a)] Federally Enforceable Through Title V Permit
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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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-16-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

420 BHP VOLVO MODEL TAD 1252VE SN 2012607305 TIER 3 DIESEL-FIRED IC ENGINE POWERING A STATIONARY AGRICULTURAL IRRIGATION PUMP (DE'ARAN MODEL G300A GEAR DRIVE)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
 $\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$. [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. Emissions from this engine shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.14 g-VOC/bhp-hr, or 0.6 g-CO/bhp-hr. [District Rules 2201 and 4702, 17 CCR 93115 and 40 CFR 60.4204(b)] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.10 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, 17 CCR 93115, and 40 CFR 60.4204(b)] Federally Enforceable Through Title V Permit
8. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801, 17 CCR 93115, and 40 CFR 60.4207] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 60.4211(a)] Federally Enforceable Through Title V Permit
10. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. Additionally, the owner/operator shall retain documentation from the engine manufacturer that the engine is Tier 3 certified. [District Rule 4702 and 40 CFR 60.4214(a)] Federally Enforceable Through Title V Permit
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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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-18-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

AGRICULTURAL GASOLINE DISPENSING OPERATION WITH ONE 10,000 GALLON ABOVEGROUND STORAGE TANK SERVED BY PHASE I VAPOR RECOVERY SYSTEM AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

PERMIT UNIT REQUIREMENTS

1. Storage tanks shall be equipped with California Air Resources Board certified Phase I vapor recovery system and a permanently affixed submerged fill tube. [District Rule 4621] Federally Enforceable Through Title V Permit
2. The Phase I vapor recovery system shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Order 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 Rule 4621] Federally Enforceable Through Title V Permit
3. The Phase I 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 Rule 4621] Federally Enforceable Through Title V Permit
4. The storage tank shall be maintained and operated such that it is leak-free. [District Rule 4621] Federally Enforceable Through Title V Permit
5. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rule 4621] Federally Enforceable Through Title V Permit
6. 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
7. 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 Rule 4621] Federally Enforceable Through Title V Permit
8. 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
9. 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 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.

10. 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
11. 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 36 months. [District Rule 4621] Federally Enforceable Through Title V Permit
12. Total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. 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 II vapor recovery system within six (6) months from the date the ATC is issued. [District Rule 4622] Federally Enforceable Through Title V Permit
13. Permittee shall maintain records of monthly gasoline throughput. Records shall be retained as long as exempt status is claimed and made available to the District upon request. [District Rule 4622] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-19-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L164561 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE # JSA 12)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. 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] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. During periods of operation, 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
13. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-20-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L164571 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 9)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. 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] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit

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

12. During periods of operation, 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
13. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-21-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L145265 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 15)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. 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] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit

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

12. During periods of operation, 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
13. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-22-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L164570 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 7)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. 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] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NO_x/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.149 g-PM₁₀/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit

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

12. During periods of operation, 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
13. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-23-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L164560 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 11)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$$
[District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. 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] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit

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

12. During periods of operation, 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
13. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-24-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L175215 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 13)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
[District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. 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] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit

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

12. During periods of operation, 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
13. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-31-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L156920 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 10)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 4102]
7. {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]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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

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

13. During periods of operation, 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
14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] 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 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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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-32-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L164563 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 1)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 4102]
7. {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]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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

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

13. During periods of operation, 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
14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] 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 Rule 4702] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-33-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L164569 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 4)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 4102]
7. {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]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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

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

13. During periods of operation, 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
14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] 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 Rule 4702] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-34-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L164564 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 3)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 4102]
7. {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]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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13. During periods of operation, 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
14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] 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 Rule 4702] Federally Enforceable Through Title V Permit

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-35-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285, SN PE6068L164566 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 2)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 4102]
7. {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]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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13. During periods of operation, 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
14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] 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 Rule 4702] Federally Enforceable Through Title V Permit

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-36-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164567 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 5)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 4102]
7. {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]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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13. During periods of operation, 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
14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] 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 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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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-37-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L156919 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 6)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 4102]
7. {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]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE
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13. During periods of operation, 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
14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] 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 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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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-38-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L132502 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 14)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$$
[District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 4102]
7. {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]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, and 17 CCR 93115] Federally Enforceable Through Title V Permit
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801 and 17 CCR 93115] Federally Enforceable Through Title V Permit
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
12. 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

13. During periods of operation, 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
14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702] 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 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

Existing SJVUAPCD PTOs



Permit to Operate

FACILITY: C-5169

EXPIRATION DATE: 12/31/2014

LEGAL OWNER OR OPERATOR:

MOUREN FAMILY FARMS, INC

MAILING ADDRESS:

35244 OIL CITY RD
COALINGA, CA 93210

FACILITY LOCATION:

20431 W DORRIS AVE
HURON, CA 93234

FACILITY DESCRIPTION:

AGRICULTURAL CROP PRODUCTION

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

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

Seyed Sadredin

Executive Director / APCO

Arnaud Marjollet

Director of Permit Services

San Joaquin Valley Air Pollution Control District

FACILITY: C-5169-0-0

EXPIRATION DATE: 12/31/2014

FACILITY-WIDE REQUIREMENTS

1. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
2. Facility-wide NOx emissions from all engines shall not exceed any of the following limits in any rolling 12-consecutive month period: NOx -177,949 lb/year; VOC - 42,197 lb/year; CO - 699,479 lb/year; PM10 - 9,727 lb/year; or SOx - 718 lb/year. [District Rule 20800]
3. On a monthly basis, the permittee shall calculate and record the facility-wide engine emissions, in pounds, from the preceding 12 months. The facility-wide engine emissions shall be calculated by summing the emissions from the previous 12 months from every permitted engine at this facility. [District Rule 1070]

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: MOUREN FAMILY FARMS, INC
Location: 20431 W DORRIS AVE, HURON, CA 93234
C-5169-0-0 Aug 20 2014 8:00AM - HEINENG

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-6-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

432 HP CUMMINS MODEL GTA19 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 and 4702]
3. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080]
4. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rule 1070]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-7-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

432 HP CUMMINS MODEL GTA19 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 and 4702]
3. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080]
4. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rule 1070]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-8-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

304 HP CUMMINS MODEL GTA85513 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 and 4702]
3. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080]
4. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rule 1070]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-9-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

432 HP CUMMINS MODEL GTA19 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 and 4702]
3. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080]
4. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rule 1070]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-12-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

432 HP CUMMINS MODEL GTA19 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 and 4702]
3. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080]
4. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rule 1070]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-13-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

432 HP CUMMINS MODEL GTA19 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP

PERMIT UNIT REQUIREMENTS

1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 and 4702]
3. The following emission factors shall be used to calculate the monthly emissions from this engine: 1.3 g-NOx/hp-hr; 0.012 g-SOx/hp-hr; 17.0 g-CO/hp-hr; 1.21 g-VOC/hp-hr; or 0.075 g-PM10/hp-hr. [District Rule 2080]
4. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$$
 [District Rule 1070]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-15-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

420 BHP VOLVO MODEL TAD 1252VE SN D1260635D1A TIER 3 DIESEL-FIRED IC ENGINE POWERING A STATIONARY AGRICULTURAL IRRIGATION PUMP (DE'LAN MODEL G350A GEAR DRIVE)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. Emissions from this engine shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.14 g-VOC/bhp-hr, or 0.6 g-CO/bhp-hr. [District Rules 2201 and 4702, 17 CCR 93115 and 40 CFR 60.4204(b)] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.10 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, 17 CCR 93115, and 40 CFR 60.4204(b)] Federally Enforceable Through Title V Permit
8. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801, 17 CCR 93115, 40 CFR 60.4207 and 40 CFR 64, Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4207 and 40 CFR 64, Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. Additionally, the owner/operator shall retain documentation from the engine manufacturer that the engine is Tier 3 certified. [District Rule 4702, 40 CFR 60.4207 and 40 CFR 64, Subpart ZZZZ] Federally Enforceable Through Title V Permit
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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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-16-1

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

420 BHP VOLVO MODEL TAD 1252VE SN 2012607305 TIER 3 DIESEL-FIRED IC ENGINE POWERING A STATIONARY AGRICULTURAL IRRIGATION PUMP (DE'ARAN MODEL G300A GEAR DRIVE)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
2. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
3. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
[District Rules 1070 and 2520] Federally Enforceable Through Title V Permit
6. Emissions from this engine shall not exceed any of the following limits: 2.69 g-NOx/bhp-hr, 0.14 g-VOC/bhp-hr, or 0.6 g-CO/bhp-hr. [District Rules 2201 and 4702, 17 CCR 93115 and 40 CFR 60.4204(b)] Federally Enforceable Through Title V Permit
7. PM10 emissions shall not exceed 0.10 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, 17 CCR 93115, and 40 CFR 60.4204(b)] Federally Enforceable Through Title V Permit
8. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201, 4702 and 4801, 17 CCR 93115, 40 CFR 60.4207 and 40 CFR 64, Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702, 40 CFR 60.4207 and 40 CFR 64, Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit

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

11. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. Additionally, the owner/operator shall retain documentation from the engine manufacturer that the engine is Tier 3 certified. [District Rule 4702, 40 CFR 60.4207 and 40 CFR 64, Subpart ZZZZ] Federally Enforceable Through Title V Permit
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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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-18-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

AGRICULTURAL GASOLINE DISPENSING OPERATION WITH ONE 10,000 GALLON ABOVEGROUND STORAGE TANK SERVED BY PHASE I VAPOR RECOVERY SYSTEM AND 1 FUELING POINT WITH 1 PHASE II EXEMPT GASOLINE DISPENSING NOZZLE

PERMIT UNIT REQUIREMENTS

1. Storage tanks shall be equipped with California Air Resources Board certified Phase I vapor recovery system and a permanently affixed submerged fill tube. [District Rule 4621]
2. The Phase I vapor recovery system shall be installed and maintained in accordance with the manufacturer specifications and the ARB Executive Order 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 Rule 4621]
3. The Phase I 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 Rule 4621]
4. The storage tank shall be maintained and operated such that it is leak-free. [District Rule 4621]
5. A leak is defined as the dripping of VOC-containing liquid at a rate of more than three (3) drops per minute, or the detection of any gaseous or vapor emissions with a concentration of total organic compound greater than 10,000 ppmv, as methane, above background when measured in accordance with EPA Test Method 21. [District Rule 4621]
6. 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]
7. 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 Rule 4621]
8. 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]
9. 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 Rule 4621]
10. 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]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

11. Total gasoline throughput for the facility shall not exceed either of the following: 10,000 gallons in any consecutive 30-day period or 24,000 gallons per calendar year. 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 II vapor recovery system within six (6) months from the date the ATC is issued. [District Rule 4622]
12. 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 36 months. [District Rule 4621]
13. Permittee shall maintain records of monthly gasoline throughput. Records shall be retained as long as exempt status is claimed and made available to the District upon request. [District Rule 4622]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-19-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164561 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE # JSA 12)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula: $\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$. [District Rule 1070]
7. 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]
8. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
9. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
10. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
12. 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]
13. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
15. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
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 Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-20-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164571 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 9)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula: $\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$. [District Rule 1070]
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
8. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
10. 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]
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
12. 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]
13. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
15. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
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 Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-21-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L145265 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 15)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula: $\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$. [District Rule 1070]
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
8. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
10. 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]
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
12. 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]
13. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
15. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
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 Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-22-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164570 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 7)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula: $\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$. [District Rule 1070]
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
8. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
10. 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]
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
12. 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]
13. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
15. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
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 Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-23-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164560 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 11)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula: $\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$. [District Rule 1070]
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
8. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
10. 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]
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
12. 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]
13. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
15. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
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 Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-24-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L175215 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 13)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
 $\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$. [District Rule 1070]
7. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
8. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
9. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
10. 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]
11. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
12. 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]
13. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

14. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
15. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
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 Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-31-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L156920 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 10)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rule 1070]
7. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 2201]
8. 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]
9. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NO_x/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
10. Emissions from this IC engine shall not exceed 0.149 g-PM₁₀/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
11. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
12. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
13. 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]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-32-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164563 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 1)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rule 1070]
7. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 2201]
8. 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]
9. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
10. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
11. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
12. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
13. 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]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-33-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164569 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 4)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rule 1070]
7. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 2201]
8. 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]
9. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
10. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
11. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
12. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
13. 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]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information; total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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

San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-34-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164564 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 3)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$$
 [District Rule 1070]
7. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 2201]
8. 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]
9. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
10. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
11. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
12. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
13. 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]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-35-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164566 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 2)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rule 1070]
7. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 2201]
8. 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]
9. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NO_x/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
10. Emissions from this IC engine shall not exceed 0.149 g-PM₁₀/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
11. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
12. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
13. 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]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-36-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L164567 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 5)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula: $\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$. [District Rule 1070]
7. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 2201]
8. 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]
9. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
10. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
11. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
12. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
13. 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]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

15. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-37-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L156919 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 6)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula: $\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g}$. [District Rule 1070]
7. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 2201]
8. 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]
9. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NOx/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
10. Emissions from this IC engine shall not exceed 0.149 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
11. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
12. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
13. 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]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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15. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-5169-38-0

EXPIRATION DATE: 12/31/2014

EQUIPMENT DESCRIPTION:

TRANSPORTABLE 173 BHP JOHN DEERE MODEL 6068 HF 285 SN PE6068L132502 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENGINE #JSA 14)

PERMIT UNIT REQUIREMENTS

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
2. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
3. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. The engine is prohibited from operating within one mile of a sensitive receptor. [District Rule 2201]
7. On a monthly basis, the permittee shall calculate and record the monthly emissions from this engine for the most recently concluded month. The monthly engine emissions shall be calculated according to the following formula:
$$\text{lb/month} = \text{EF (g/hp-hr)} \times \text{Engine Rating (bhp)} \times \text{hours operated (hr/month)} \times 0.80 \times 1.0 \text{ lb/453.6 g.}$$
 [District Rule 1070]
8. 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]
9. Emissions from this IC engine shall not exceed any of the following limits: 2.5 g-NO_x/bhp-hr, 1.19 g-CO/bhp-hr, or 0.13 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
10. Emissions from this IC engine shall not exceed 0.149 g-PM₁₀/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, and 17 CCR 93115]
11. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
12. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rules 2201 and 4701 and 17 CCR 93115]
13. 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]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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15. The owner/operator shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance. [District Rule 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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