



JAN 30 2013

Derek Yurosek  
WM Bolthouse Farms-South Avenal  
7200 E. Brundage Ln  
Bakersfield, CA 93307

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit  
District Facility # C-6982  
Project # C-1121557**

Dear Mr. Yurosek:

Enclosed for your review and comment is the District's analysis of WM Bolthouse Farms-South Avenal's application for the Federally Mandated Operating Permit for its agricultural facility, Highway 33 and Highway 41 in South Avenal, Kings County, California.

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

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

Sincerely,



David Warner  
Director of Permit Services

cc: Juscelino Siongco, Permit Services Engineer

Attachments

**Seyed Sadredin**  
Executive Director/Air Pollution Control Officer

---

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

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

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



JAN 30 2013

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

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit  
District Facility # C-6982  
Project # C-1121557**

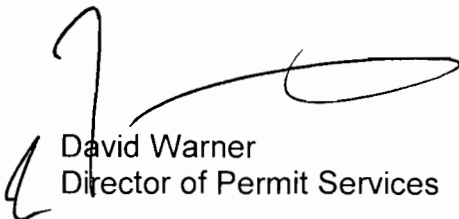
Dear Mr. Rios:

Enclosed for your review and comment is the District's analysis of WM Bolthouse Farms-South Avenal's application for the Federally Mandated Operating Permit for its agricultural facility, Highway 33 and Highway 41 in South Avenal, Kings County, California.

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

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

Sincerely,



David Warner  
Director of Permit Services

cc: Juscelino Siongco, Permit Services Engineer

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JAN 30 2013

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

**Re: Notice of Preliminary Decision - Federally Mandated Operating Permit  
District Facility # C-6982  
Project # C-1121557**

Dear Mr. Tollstrup:

Enclosed for your review and comment is the District's analysis of WM Bolthouse Farms-South Avenal's application for the Federally Mandated Operating Permit for its agricultural facility, Highway 33 and Highway 41 in South Avenal, Kings County, California.

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

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

Sincerely,

David Warner  
Director of Permit Services

cc: Juscelino Siongco, Permit Services Engineer

Attachments

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Executive Director/Air Pollution Control Officer

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Hanford Sentinel

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

NOTICE IS HEREBY GIVEN that the San Joaquin Valley Air Pollution Control District solicits public comment on the proposed issuance of the Federally Mandated Operating permits to WM Bolthouse Farms-South Avenal for its agricultural facility, Highway 33 and Highway 41 in South Avenal, Kings County, California.

The District's analysis of the legal and factual basis for this proposed action, project #C-1121557, is available for public inspection at [http://www.valleyair.org/notices/public\\_notices\\_idx.htm](http://www.valleyair.org/notices/public_notices_idx.htm) and the District office at the address below. There are no emission changes associated with this proposed action. This will be the public's only opportunity to comment on the specific conditions of the proposed Federally Mandated Operating initial permits. If requested by the public, the District will hold a public hearing regarding issuance of this initial permit. For additional information, please contact Mr. Jim Swaney, Permit Services Manager, at (559) 230-5900. Written comments on the proposed initial permit must be submitted within 30 days of the publication date of this notice to DAVID WARNER, DIRECTOR OF PERMIT SERVICES, SAN JOAQUIN VALLEY AIR POLLUTION CONTROL DISTRICT, 1990 E. GETTYSBURG AVE, FRESNO, CALIFORNIA 93726-0244.

# SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT

## WM BOLTHOUSE FARMS-SOUTH AVENAL

### PROPOSED ENGINEERING EVALUATION

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# TITLE V APPLICATION REVIEW

Project #: C-1121557  
Deemed Complete: June 11, 2012

Engineer: Juscelino Siongco  
Date: January 24, 2013

Facility Number: C-6982  
Facility Name: WM Bolthouse Farms-South Avenal  
Mailing Address: 7200 E Brundage Ln  
Bakersfield, CA 93307

Contact Name: Derek Yurosek  
Phone: (661) 366-7209 x1650

Responsible Official: Derek Yurosek  
Title: Vice President of Agricultural Operation

## I. PROPOSAL

WM Bolthouse Farms Inc. is proposing that an initial Title V permit be issued for its agricultural facility in Highway 33 and Highway 41 in South Avenal, Kings County, CA. The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with those applicable requirements, and to provide the legal and factual basis for proposed permit conditions.

## II. FACILITY LOCATION

WM Bolthouse Farms Inc. is located in Highway 33 and Highway 41 in South Avenal, Kings County, CA.

## III. EQUIPMENT LISTING

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

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

## IV. GENERAL PERMIT TEMPLATE USAGE

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

## V. SCOPE OF EPA AND PUBLIC REVIEW

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

## VI. REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES

The applicant 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. REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES

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

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

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

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

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

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

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

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

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

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

District Rule 2410, Prevention of Significant Deterioration (Adopted June 16, 2011)

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

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

District Rule 4201, Particulate Matter Concentration (Amended December 17, 1992)

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

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

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

District Rule 8011, General Requirements (Amended August 19, 2004)  
District Rule 8021, Construction, Demolition, Excavation, and Other Earthmoving Activities (Amended August 19, 2004)  
District Rule 8031, Bulk Materials (Amended August 19, 2004)  
District Rule 8041, Carryout and Trackout (Amended August 19, 2004)  
District Rule 8051, Open Areas (Amended August 19, 2004)  
District Rule 8061, Paved and Unpaved Roads (Amended August 19, 2004)  
District Rule 8071, Unpaved Vehicle/Equipment Traffic Areas (Amended September 16, 2004)  
40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
40 CFR Part 61, Subpart M, National Emission Standard for Asbestos  
40 CFR Part 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines  
40 CFR Part 64, Compliance Assurance Monitoring (CAM)  
40 CFR Part 82, Subpart B and F, Stratospheric Ozone  
Kings County Rule 107, Inspections  
Kings County Rule 407, Sulfur Compounds

## 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 District-only requirements that are not currently federally enforceable:

### **District Rule 4102 – Nuisance**

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



C-6982-0-1 – Facility-Wide Requirements

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

**District Rule 4801 – Sulfur Compounds**

This rule limits the emissions of sulfur compounds, which would exist as a liquid or gas at standard conditions, exceeding in concentration at the point of discharge: two-tenths (0.2) percent by volume calculated as sulfur dioxide (SO<sub>2</sub>), on a dry basis averaged over 15 consecutive minutes.

- a. C-6982-2-1: 240 bhp Cummins Model QSC8-3 S/N 46953595 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 384)
  - Condition 4 on the requirements for this permit unit complies with this rule.
- b. C-6982-4-1: 230 bhp Cummins Model 6CTA S/N 46700192 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 298)
  - Condition 4 on the requirements for this permit unit complies with this rule.
- c. C-6982-9-1: 230 bhp Cummins Model 6CTA S/N 45799755 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 185)
  - Condition 4 on the requirements for this permit unit complies with this rule.
- d. C-6982-16-1: 500 bhp Cummins Model QSX15 S/N 14035485 Tier 2 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 131)
  - Condition 5 on the requirements for this permit unit complies with this rule.
- e. C-6982-25-1: 375 bhp Volvo Model TAD1251VE S/N 2012645348 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 336)
  - Condition 8 on the requirements for this permit unit complies with this rule.
- f. C-6982-28-1: 260 bhp Cummins Model 6CTA S/N 45940215 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 109)
  - Condition 7 on the requirements for this permit unit complies with this rule.
- g. C-6982-34-1: 510 bhp Cummins Model QSX15 S/N 79293433 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 383)

- Condition 8 on the requirements for this permit unit complies with this rule.

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

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

- a. C-6982-2-1: 240 bhp Cummins Model QSC8-3 S/N 46953595 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 384)

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

- b. C-6982-4-1: 230 bhp Cummins Model 6CTA S/N 46700192 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 298)

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

- c. C-6982-9-1: 230 bhp Cummins Model 6CTA S/N 45799755 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 185)

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

- d. C-6982-16-1: 500 bhp Cummins Model QSX15 S/N 14035485 Tier 2 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 131)

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

- e. C-6982-25-1: 375 bhp Volvo Model TAD1251VE S/N 2012645348 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 336)

- Conditions 4, 6, 7, 8, and 13 on the requirements for this permit unit comply with this rule.

- f. C-6982-28-1: 260 bhp Cummins Model 6CTA S/N 45940215 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 109)

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

- g. C-6982-34-1: 510 bhp Cummins Model QSX15 S/N 79293433 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 383)

- Conditions 6, 7, and 8 on the requirements for this permit unit comply with this rule.

**Public Resource Code 21000-21177: California Environmental Quality Act**

CEQA, or the California Environmental Quality Act, is a statute that requires state and local agencies to identify the significant environmental impacts of their actions and to avoid or mitigate those impacts, if feasible. CEQA applies to certain activities of state and local public agencies.

- a. C-6982-2-1: 240 bhp Cummins Model QSC8-3 S/N 46953595 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 384)
  - Condition 10 on the requirements for the proposed permit complies with this rule.
- b. C-6982-4-1: 230 bhp Cummins Model 6CTA S/N 46700192 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 298)
  - Condition 10 on the requirements for the proposed permit complies with this rule.
- c. C-6982-9-1: 230 bhp Cummins Model 6CTA S/N 45799755 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 185)
  - Condition 13 on the requirements for the proposed permit complies with this rule.
- d. C-6982-16-1: 500 bhp Cummins Model QSX15 S/N 14035485 Tier 2 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 131)
  - Condition 13 on the requirements for the proposed permit complies with this rule.
- e. C-6982-25-1: 375 bhp Volvo Model TAD1251VE S/N 2012645348 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 336)
  - Condition 14 on the requirements for the proposed permit complies with this rule.
- f. C-6982-28-1: 260 bhp Cummins Model 6CTA S/N 45940215 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 109)

- Condition 13 on the requirements for the proposed permit complies with this rule.
- g. C-6982-34-1: 510 bhp Cummins Model QSX15 S/N 79293433 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 383)
- Condition 14 on the requirements for the proposed permit complies with this rule.

## IX. COMPLIANCE

### A. Requirements Addressed by Model General Permit Templates

#### 1. Facility Wide Requirements

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

### B. Requirements Not Addressed by Model General Permit Templates

#### 1. District Rule 1100 – Equipment Breakdown

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

#### Comparison of District Rule 1100 to Kings County Rule 111

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

REQUIREMENTS	District Rule 1100	Kings County Rule 111
and/or to be undertaken to avoid such an occurrence in the future.		
4) Pictures of the equipment or controls which failed if available.	X	

C-6982-0-1: Facility-Wide Requirements

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

**2. District Rule 1160 – Emission Statements**

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

C-6982-0-1: Facility-Wide Requirements

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

**3. District Rule 2010 – Permits Required**

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

C-6982-0-1: Facility-Wide Requirements

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

#### **4. District Rule 2020 – Exemptions**

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

C-6982-0-1: Facility-Wide Requirements

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

#### **5. District Rule 2031 – Transfer of Permits**

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

C-6982-0-1: Facility-Wide Requirements

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

#### **6. District Rule 2040 – Applications**

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

C-6982-0-1: Facility-Wide Requirements

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

#### **7. District Rule 2070 – Standards for Granting Applications**

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

C-6982-0-1: Facility-Wide Requirements

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

**8. District Rule 2080 – Conditional Approval**

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

C-6982-0-1: Facility-Wide Requirements

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

**9. District Rule 2201 – New and Modified Stationary Source Review Rule**

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

a. C-6982-0-1: Facility-Wide Requirements

- Conditions 1, 2, and 3 from the current facility-wide permit have been included as conditions 39, 22, and 40, respectively, on the requirements for the proposed facility-wide permit.

b. C-6982-2-1: 240 bhp Cummins Model QSC8-3 S/N 46953595 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 384)

- Conditions 1, 2, and 3 from the current PTO have been removed and included as conditions 39, 22, and 40, respectively, on the requirements for the proposed facility-wide permit.
- Condition 4 from the current PTO has been included as condition 3 on the requirements for the proposed permit.

- c. C-6982-4-1: 230 bhp Cummins Model 6CTA S/N 46700192 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 298)
  - Condition 1 from the current PTO has been included as condition 3 on the requirements for the proposed permit.
- d. C-6982-9-1: 230 bhp Cummins Model 6CTA S/N 45799755 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 185)
  - Conditions 1 and 2 from the current PTO have been included as conditions 1 and 2 on the requirements for the proposed permit.
  - Conditions 3 and 4 from the current PTO have been included as conditions 6 and 3 on the requirements for the proposed permit.
  - Conditions 5 through 11 from the current PTO have been included as conditions 5 and 7 through 12 on the requirements for the proposed permit.
- e. C-6982-16-1: 500 bhp Cummins Model QSX15 S/N 14035485 Tier 2 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 131)
  - Conditions 1 and 2 from the current PTO have been included as conditions 1 and 2 on the requirements for the proposed permit.
  - Conditions 3 and 4 from the current PTO have been included as conditions 13 and 3 on the requirements for the proposed permit.
  - Conditions 5 through 12 from the current PTO have been included as conditions 4 and 6 through 12 on the requirements for the proposed permit.
- f. C-6982-25-1: 375 bhp Volvo Model TAD1251VE S/N 2012645348 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 336)
  - Conditions 1 through 11 from the current PTO have been included as conditions 3 through 13 on the requirements for the proposed permit.
- g. C-6982-28-1: 260 bhp Cummins Model 6CTA S/N 45940215 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 109)
  - Conditions 1 and 2 from the current PTO have been included as conditions 3 and 1 on the requirements for the proposed permit.



- Conditions 3 through 12 from the current PTO have been included as conditions 2, and 4 through 12 on the requirements for the proposed permit.
- h. C-6982-34-1: 510 bhp Cummins Model QSX15 S/N 79293433 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 383)
- Condition 1 from the current PTO has been included as condition 3 on the requirements for the proposed permit.
  - Conditions 2, 3, and 4 from the current PTO have been removed and included as conditions 40, 39, and 22 on the requirements for the facility-wide permit.
  - Conditions 5 through 14 from the current PTO have been included as conditions 4 through 13 on the requirements for the proposed permit.

#### **10. District Rule 2410 – Prevention of Significant Deterioration**

The prevention of significant deterioration (PSD) program is a construction permitting program for new major stationary sources and major modifications to existing major stationary sources located in areas classified as attainment or in areas that are unclassifiable for any criteria air pollutant. The provisions of this rule apply to any source and the owner or operator of any source subject to any requirement under Title 40 Code of Federal Regulations (40 CFR) Part 52.21 as incorporated into this rule.

There are no PSD requirements for this source. Therefore, the facility is not subject to this rule and no further discussion is required.

#### **11. District Rule 2520 – Federally Mandated Operating Permits**

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

requirements substantially equivalent to those contained in 40 CFR 70.6. The applicable federal and local requirements to appear on a single permit.

Per Section 3.30, a stationary source: same as that defined in District Rule 2201 (New and Modified Stationary Source Review)—Stationary Source: any building, structure, facility, or installation which emits or may emit any affected pollutant directly or as a fugitive emission. Building, structure, facility or installation includes all pollutant emitting activities including emissions units which:

- Are under the same or common ownership or operation, or which are owned or operated by entities which are under common control; and
- Belong to the same industrial grouping either by virtue of falling within the same two-digit standard industrial classification code or by virtue of being part of a common industrial process, manufacturing process, or connected process involving a common raw material; and
- Are located on one or more contiguous or adjacent properties; or
- Are located on one or more properties wholly within either the Western Kern County Oil Fields or the Central Kern County Oil Fields or Fresno County Oil Fields and are used for the production of light oil, heavy oil or gas. Notwithstanding the provisions of this definition, light oil production, heavy oil production, and gas production shall constitute separate Stationary Sources.

Per the Clean Air Act (CAA), Title 42, Chapter 85, Subchapter III, Section 7602(z), the term “stationary source” means generally any source of an air pollutant except those emissions resulting directly from an internal combustion engine for transportation purposes or from a nonroad engine or nonroad vehicle.

The following permit units are nonroad engines and the requirements on the permits are not subject Federally Enforceable Requirements.

- a. C-6982-12-0: Transportable 155 bhp John Deere Model 6068T Serial #PE6068T234039 Tier 1 Diesel-Fired IC Engine Powering an Agricultural Irrigation Booster Pump (ENG 315)
  - Conditions 1 through 13 on the requirements for the permit are not subject to Federally Enforceable Requirements.
- a. C-6982-22-0: Transportable 300 bhp John Deere Model 6081H Serial #RG6081H241611 Tier 2 Diesel-Fired IC Engine Powering an Agricultural Irrigation Booster Pump (ENG 275)

- Conditions 1 through 14 on the requirements for the permit are not subject to Federally Enforceable Requirements.

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

#### C-6982-0-1: Facility-Wide Requirements

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

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

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

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

#### C-6982-0-1: Facility-Wide Requirements

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

Section 9.5 requires the submittal of monitoring reports at least every six months. Prompt reporting of deviations from permitting requirements, including those attributable to upset conditions is also required. The responsible official must certify all required reports.

#### C-6982-0-1: Facility-Wide Requirements

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

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

#### C-6982-0-1: Facility-Wide Requirements

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

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

#### C-6982-0-1: Facility-Wide Requirements

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

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

#### C-6982-0-1: Facility-Wide Requirements

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

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

#### C-6982-0-1: Facility-Wide Requirements

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

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

#### C-6982-0-1: Facility-Wide Requirements

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

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

#### C-6982-0-1: Facility-Wide Requirements

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

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

#### C-6982-0-1: Facility-Wide Requirements

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

#### Greenhouse Gas Requirements

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

## **12. District Rule 4101 – Visible Emissions**

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

C-6982-0-1: Facility-Wide Requirements

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

**13. District Rule 4201 – Particulate Matter Concentration**

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

The diesel-fired internal combustion engines in this facility are US EPA certified to Tier 1 standards or better with PM emissions equal to or less than 0.4 g/bhp-hr. The following calculation shows that the particulate matter emissions of equal to or less than 0.4 g/bhp-hr is less than or equal to the rule limit of 0.1 grain per cubic foot of gas at dry standard conditions:

$$\text{PM Conc.} = 0.4 \text{ g-PM}_{10}/\text{bhp-hr} \times 1 \text{ g-PM}/0.96 \text{ g-PM}_{10} \times 1 \text{ bhp-hr}/2,542.5 \text{ Btu} \\ \times 1,000,000 \text{ Btu}/9,051 \text{ dscf} \times 0.35 \text{ Btu}_{\text{out}}/1 \text{ Btu}_{\text{in}} \times 15.43 \text{ gr/g}$$

$$\text{PM Conc.} = 0.097 \text{ gr-PM}/\text{dscf} < 0.1 \text{ gr-PM}/\text{dscf}$$

C-6982-0-1: Facility-Wide Requirements

- Condition 39 on the proposed facility-wide permit is applicable to all the diesel-fired engines in this facility and complies with this rule.

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

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

C-6982-0-1: Facility-Wide Requirements

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

**15. District Rule 4701 – Internal Combustion Engines–Phase 1**

The purpose of this rule is to limit the emissions of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), and volatile organic compounds (VOC) from

internal combustion engines. Except as provided in Section 4.0, the provisions of this rule apply to any internal combustion engine, rated greater than 50 bhp that requires a Permit to Operate (PTO).

Pursuant to Section 2.0 of District Rule 4701, these engines are subject to District Rule 4701–*Internal Combustion Engines–Phase 1*. In addition, these engine are also subject to District Rule 4702–*Internal Combustion Engines–Phase 2*.

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

## **16. District Rule 4702 – Internal Combustion Engines**

The purpose of this rule is to limit the emissions of nitrogen oxides (NO<sub>x</sub>), carbon monoxide (CO), volatile organic compounds (VOC), and sulfur oxides (SO<sub>x</sub>) from internal combustion engines. This rule applies to any internal combustion engine rated at 25 brake horsepower or greater.

### **5.2.4 Certified Compression-Ignited Engines (AO and non-AO)**

The operator of a certified compression-ignited engine rated >50 bhp shall comply with the following requirements:

5.2.4.1 Repower, replace, or control the engine's emissions to comply with the applicable limits/standards in Table 4 on an engine-by-engine basis by the compliance dates as specified in Table 4.

5.2.4.2 The annual hours of operation shall be determined on a calendar year basis.

5.2.4.3 In lieu of complying with the NO<sub>x</sub>, CO, and VOC limits of Table 4 on an engine-by-engine basis, an operator may elect to implement an alternative emission control plan pursuant to Section 8.0.

5.2.4.4 An operator of an AO compression-ignited engine that is subject to the applicable requirements of Table 4 shall not replace such engine with an engine that emits more emissions of NO<sub>x</sub>, VOC, and CO, on a ppmv basis, (corrected to 15% oxygen on a dry basis) than the engine being replaced.

<b>Rule 4702 Section 5.2.4, Table 4*</b>		
<b>Engine Type</b>	<b>Emission Limit/Standard</b>	<b>Compliance Date</b>
<b>1. Non-Certified Compression-Ignited Engine</b>		
a. Greater than 50 bhp not more than 500 bhp	EPA Tier 3 or Tier 4	1/1/2010
b. Greater than 500 bhp but not more than 750 bhp and less than 1000 annual operating hours	EPA Tier 3	1/1/2010
c. Greater than 750 bhp and less than 1000 annual operating hours	EPA Tier 4	7/1/2011
d. Greater than 500 bhp and greater than 1000 annual operating hours	80 ppm NOx, 2,000 ppm CO, 750 ppm VOC	1/1/2008 or, if owner has an agreement to electrify, comply by 1/1/2010
<b>2. Certified Compression-Ignited Engine</b>		
a. EPA Certified Tier 1 or Tier 2 Engine	EPA Tier 4	1/1/2015 or 12 years after installation date, whichever is later
b. EPA Certified Tier 3 or Tier 4 Engine	Meet Certified Compression-Ignited Engine Standard in effect at time of installation	At time of installation

\*Corrected to 15% oxygen on a dry basis

### 5.9 Monitoring Requirements:

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

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

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

5.9.4 Install and operate a nonresettable elapsed time meter.

5.9.4.1 In lieu of installing a nonresettable elapsed time meter, the operator may use an alternative device, method, or technique, in determining operating time provided that the alternative is approved



by the APCO and EPA and is allowed by a Permit-to- Operate or Permit-Exempt Equipment Registration condition.

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

Section 6.2 requires the operator of an engine subject to the requirements of Section 5.2 of this rule maintain an engine operating log to demonstrate compliance with this rule. The engine operating log shall include, on a monthly basis, the following information:

- 6.2.1.1 Total hours of operation,
- 6.2.1.2 Type of fuel used,
- 6.2.1.3 Maintenance or modifications performed,
- 6.2.1.4 Monitoring data,
- 6.2.1.5 Compliance source test results, and
- 6.2.1.6 Any other information necessary to demonstrate compliance with this rule.

a. C-6982-2-1: 240 bhp Cummins Model QSC8-3 S/N 46953595 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 384)

- Conditions 5 through 9 on the requirements for this permit unit comply with this rule.

b. C-6982-4-1: 230 bhp Cummins Model 6CTA S/N 46700192 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 298)

- Conditions 5 through 9 on the requirements for this permit unit comply with this rule.

c. C-6982-9-1: 230 bhp Cummins Model 6CTA S/N 45799755 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 185)

- Conditions 5 through 12 on the requirements for this permit unit comply with this rule.

d. C-6982-16-1: 500 bhp Cummins Model QSX15 S/N 14035485 Tier 2 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 131)

- Conditions 3 and 6 through 12 on the requirements for this permit unit comply with this rule.

- e. C-6982-25-1: 375 bhp Volvo Model TAD1251VE S/N 2012645348 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 336)
  - Conditions 3, 4, 9 through 11, and 13 on the requirements for this permit unit comply with this rule.
- f. C-6982-28-1: 260 bhp Cummins Model 6CTA S/N 45940215 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 109)
  - Conditions 4, 5, 6, and 8 through 12 on the requirements for this permit unit comply with this rule.
- g. C-6982-34-1: 510 bhp Cummins Model QSX15 S/N 79293433 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 383)
  - Conditions 3, 4, 6, and 9 through 13 on the requirements for this permit unit comply with this rule.

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

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

- a. C-6982-0-1: Facility-Wide Requirements
  - Conditions 29 through 34 on the requirements for the proposed permit comply with these rules.

**18. 40 CFR 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

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

§60.4204(a) Owners and operators of pre-2007 model year non-emergency stationary CI ICE with a displacement of less than 10 liters per cylinder must comply with the emission standards in table 1 of Subpart IIII.

(b) Owners and operators of 2007 model year and later non-emergency stationary CI ICE with a displacement of less than 30 liters per cylinder must comply with the emission standards for new CI engines in §60.4201 for their 2007 model year and later stationary CI ICE, as applicable.

§60.4207(b) Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must purchase diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

§60.4211(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following: (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions; (2) Change only those emission-related settings that are permitted by the manufacturer; and (3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

- a. C-6982-2-1: 240 bhp Cummins Model QSC8-3 S/N 46953595 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 384)

This unit was manufactured prior to April 1, 2006 and not subject to this subpart.

- b. C-6982-4-1: 230 bhp Cummins Model 6CTA S/N 46700192 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 298)

This unit was manufactured prior to April 1, 2006 and not subject to this subpart.

- c. C-6982-9-1: 230 bhp Cummins Model 6CTA S/N 45799755 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 185)

This unit was manufactured prior to April 1, 2006 and not subject to this subpart.

- d. C-6982-16-1: 500 bhp Cummins Model QSX15 S/N 14035485 Tier 2 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 131)

This unit was manufactured prior to April 1, 2006 and not subject to this subpart.

- e. C-6982-25-1: 375 bhp Volvo Model TAD1251VE S/N 2012645348 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 336)

This unit is a 2009 model year engine and is Tier 3 certified. Conditions 8 and 9 on the proposed permit are additional requirements that comply with this rule.

- f. C-6982-28-1: 260 bhp Cummins Model 6CTA S/N 45940215 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 109)

This unit was manufactured prior to April 1, 2006 and not subject to this subpart.

- g. C-6982-34-1: 510 bhp Cummins Model QSX15 S/N 79293433 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 383)

This unit is a 2011 model year engine and is Tier 3 certified. Conditions 8 and 9 on the proposed permit are additional requirements that comply with this rule.

**19. 40 CFR 61, Subpart M – National Emission Standard for Asbestos**

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

- a. C-6982-0-1: Facility-Wide Requirements

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

**20. 40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

Subpart ZZZZ establishes national emission limitations and operating limitations for hazardous air pollutants (HAP) emitted from stationary reciprocating internal combustion engines (RICE) located at major and

area sources of HAP emissions. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations and operating limitations.

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

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

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

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

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

§63.6590(c) Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines. No further requirements apply for such engines under this part.  
(1) A new or reconstructed stationary RICE located at an area source;

- a. C-6982-25-1: 375 bhp Volvo Model TAD1251VE S/N 2012645348 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 336)

This unit is a new RICE and meets the requirements of 40 CFR part 60 subpart IIII. Therefore no further requirements apply under this rule.

- b. C-6982-34-1: 510 bhp Cummins Model QSX15 S/N 79293433 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 383)

This unit is a new RICE and meets the requirements of 40 CFR part 60 subpart IIII. Therefore no further requirements apply under this rule.

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

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

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

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

For each	You must meet the following requirement, except during periods of startup	During periods of startup you must
1. Non-Emergency, non-black start CI stationary RICE ≤300 HP	a. Change oil and filter every 1,000 hours of operation or annually, whichever comes first; <sup>1</sup>	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.
	b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	
2. Non-Emergency, non-black start CI stationary RICE 300<HP≤500	a. Limit concentration of CO in the stationary RICE exhaust to 49 ppmvd at 15 percent O <sub>2</sub> ; or b. 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(e) If you own or operate any of the following stationary RICE, you 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 your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions: (4) An existing non-emergency, non-black start stationary CI RICE with a site rating less than or equal to 300 HP located at an area source of HAP emissions;

§63.6625(g) If an existing non-emergency, non-black start CI engine greater than or equal to 300 HP is not equipped with a closed crankcase ventilation system, owners and operators must comply with either paragraph (g)(1) or paragraph (g)(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.

§63.6625(g)(1) Install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or  
§63.6625(g)(2) Install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals.

§63.6612(a) An owner or operator of an existing stationary RICE located at an area source of HAP emissions must conduct any initial performance test or other initial compliance demonstration according to Tables 4 and 5 to this subpart within 180 days after the compliance date.

**Table 4 to Subpart ZZZZ of Part 63—Requirements for Performance Tests**

As stated in §§63.6610, 63.6611, 63.6612, 63.6620, and 63.6640, you must comply with the following requirements for performance tests for stationary RICE:

For each	Complying with the requirement to	You must	Using	According to the following requirements
1. 2SLB, 4SLB, and CI stationary RICE	a. Reduce CO emissions	i. Measure the O <sub>2</sub> at the inlet and outlet of the control device; and	(1) Portable CO and O <sub>2</sub> analyzer	(a) Using ASTM D6522–00 (2005)(incorporated by reference, see §63.14). Measurements to determine O <sub>2</sub> must be made at the same time as the measurements for CO concentration.
		ii. Measure the CO at the inlet and the outlet of the control device	(1) Portable CO and O <sub>2</sub> analyzer	(a) Using ASTM D6522–00 (2005)(incorporated by reference, see §63.14) or Method 10 of 40 CFR appendix A. The CO concentration must be at 15 percent O <sub>2</sub> , dry basis.

**Table 5 to Subpart ZZZZ of Part 63—Initial Compliance With Emission Limitations and Operating Limitations**

As stated in §§63.6612, 63.6625 and 63.6630, you must initially comply with the emission and operating limitations as required by the following:

For each	Complying with the requirement to	You have demonstrated initial compliance if
12. Existing non-emergency stationary RICE 100≤HP≤500 located at a major source of HAP, and existing non-emergency stationary CI RICE 300<HP≤500 located at an area source of HAP	a. Reduce CO or formaldehyde emissions	i. The average reduction of emissions of CO or formaldehyde, as applicable determined from the initial performance test is equal to or greater than the required CO or formaldehyde, as applicable, percent reduction.
13. Existing non-emergency stationary RICE 100≤HP≤500 located at a major source of HAP, and existing non-emergency stationary CI RICE 300<HP≤500 located at an area source of HAP	a. Limit the concentration of formaldehyde or CO in the stationary RICE exhaust	i. The average formaldehyde or CO concentration, as applicable, corrected to 15 percent O <sub>2</sub> , dry basis, from the three test runs is less than or equal to the formaldehyde or CO emission limitation, as applicable.

§63.6645(h)(2) For each initial compliance demonstration required in Table 5 to this subpart that includes a performance test conducted



according to the requirements in Table 3 to this subpart, you must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to §63.10(d)(2).

§63.6655(a) If you must comply with the emission and operating limitations, you must keep the records described in the following paragraphs (a)(1) through (a)(5).

(a)(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §63.10(b)(2)(xiv).

(a)(2) Records of the occurrence and duration of each malfunction of operation (*i.e.*, process equipment) or the air pollution control and monitoring equipment.

(a)(3) Records of performance tests and performance evaluations as required in §63.10(b)(2)(viii).

(a)(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(a)(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

- a. C-6982-2-1: 240 bhp Cummins Model QSC8-3 S/N 46953595 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 384)
  - Conditions 9 and 11 through 17 on the requirements for the proposed permit comply with this rule.
- b. C-6982-4-1: 230 bhp Cummins Model 6CTA S/N 46700192 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 298)
  - Conditions 9 and 12 through 18 on the requirements for the proposed permit comply with this rule.

- c. C-6982-9-1: 230 bhp Cummins Model 6CTA S/N 45799755 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 185)
  - Conditions 11 and 14 through 20 on the requirements for the proposed permit comply with this rule.
- d. C-6982-16-1: 500 bhp Cummins Model QSX15 S/N 14035485 Tier 2 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 131)
  - Conditions 5 and 14 through 26 on the requirements for the proposed permit comply with this rule.
- e. C-6982-28-1: 260 bhp Cummins Model 6CTA S/N 45940215 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 109)
  - Conditions 11 and 14 through 20 on the requirements for the proposed permit comply with this rule.

## **21. 40 CFR Part 64 – Compliance Assurance Monitoring**

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

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

- a. C-6982-2-1: 240 bhp Cummins Model QSC8-3 S/N 46953595 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 384)

This permit unit has emissions limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC.

- b. C-6982-4-1: 230 bhp Cummins Model 6CTA S/N 46700192 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 298)

This permit unit has emissions limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC.

- c. C-6982-9-1: 230 bhp Cummins Model 6CTA S/N 45799755 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 185)

This permit unit has emissions limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC.

- d. C-6982-16-1: 500 bhp Cummins Model QSX15 S/N 14035485 Tier 2 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 131)

This permit unit has emissions limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC.

- e. C-6982-25-1: 375 bhp Volvo Model TAD1251VE S/N 2012645348 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 336)

This permit unit has emissions limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC.

- f. C-6982-28-1: 260 bhp Cummins Model 6CTA S/N 45940215 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 109)

This permit unit has emissions limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC.

- g. C-6982-34-1: 510 bhp Cummins Model QSX15 S/N 79293433 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 383)

This permit unit has emissions limits for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC but it does not have add-on controls for these criteria pollutants. Therefore, this permit unit is not subject to CAM for NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, CO, and VOC.

## **22. 40 CFR Part 82, Subpart B and F – Stratospheric Ozone**

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

### C-6982-0-1: Facility-Wide Requirements

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

## **23. Kings County Rule 107 – Inspections**

The purpose of this rule is to explain the enforcement agency's authority in determining compliance with the requirements of these rules and regulations.

- a. C-6982-2-1: 240 bhp Cummins Model QSC8-3 S/N 46953595 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 384)
  - Conditions 1 and 2 on the requirements for the proposed permit comply with this rule.
- b. C-6982-4-1: 230 bhp Cummins Model 6CTA S/N 46700192 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 298)
  - Conditions 1 and 2 on the requirements for the proposed permit comply with this rule.
- c. C-6982-9-1: 230 bhp Cummins Model 6CTA S/N 45799755 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 185)
  - Conditions 1 and 2 on the requirements for the proposed permit comply with this rule.

- d. C-6982-16-1: 500 bhp Cummins Model QSX15 S/N 14035485 Tier 2 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 131)
- Conditions 1 and 2 on the requirements for the proposed permit comply with this rule.
- e. C-6982-25-1: 375 bhp Volvo Model TAD1251VE S/N 2012645348 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 336)
- Conditions 1 and 2 on the requirements for the proposed permit comply with this rule.
- f. C-6982-28-1: 260 bhp Cummins Model 6CTA S/N 45940215 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 109)
- Conditions 1 and 2 on the requirements for the proposed permit comply with this rule.
- g. C-6982-34-1: 510 bhp Cummins Model QSX15 S/N 79293433 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 383)
- Conditions 1 and 2 on the requirements for the proposed permit comply with this rule.

#### 24. Kings County Rule 407 – Sulfur Compounds

This rule contains a limit on sulfur compounds. The limit at the point of discharge is 0.2 percent by volume, which is 2000 ppmv, calculated as sulfur dioxide (SO<sub>2</sub>), on a dry basis averaged over 15 consecutive minutes. The maximum fuel sulfur content that can be combusted in diesel-fired IC engines and comply with this 2000 ppmv emission limit is calculated as follows:

$$\frac{\left(137,000 \frac{\text{Btu}}{\text{gal}}\right) \times \left(\frac{9,190 \text{ dscf}}{10^6 \text{ Btu}}\right) \times \left(32.06 \frac{\text{g-S}}{\text{mol}}\right) \times \left(0.002 \frac{\text{mol-S}}{\text{mol-exhaust}}\right) \left(28.317 \frac{\text{l}}{\text{cu ft}}\right)}{\left(23.6 \frac{\text{L}}{\text{mol}}\right) \times \left(7.05 \frac{\text{lb}}{\text{gal}}\right) \times \left(453.59 \frac{\text{g}}{\text{lb}}\right)} = 0.030 \frac{\text{lb-S}}{\text{lb-Diesel}}$$

Where,

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

9,190 dscf/10<sup>6</sup> Btu = Diesel F Factor (40 CFR 60, Appendix A-7, Table 19-1)  
32.06 g-S/mol= Molecular weight of sulfur  
0.002 mol-S/mol-exhaust = Kings County 407 limit for sulfur emissions  
28.317 l/cu ft = conversion factor for liters to cubic feet  
23.6 = Volume one mole of gas occupies at standard conditions (1 atm, 15.5°C)  
7.05 lb/gal= density of diesel (AP-42 9/85, Appendix A-6)  
453.59 g/lb = conversion factor for grams to pounds

Diesel fuel with a sulfur content of less than 3.0% by weight will satisfy the conditions of this rule. The diesel-fired engines in this facility must be fired on Air Resources Board quality diesel fuel with maximum sulfur content 0.0015% by weight.

- a. C-6982-2-1: 240 bhp Cummins Model QSC8-3 S/N 46953595 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 384)
  - Condition 4 on the requirements for the proposed permit complies with this rule.
- b. C-6982-4-1: 230 bhp Cummins Model 6CTA S/N 46700192 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 298)
  - Condition 4 on the requirements for the proposed permit complies with this rule.
- c. C-6982-9-1: 230 bhp Cummins Model 6CTA S/N 45799755 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 185)
  - Condition 4 on the requirements for the proposed permit complies with this rule.
- d. C-6982-16-1: 500 bhp Cummins Model QSX15 S/N 14035485 Tier 2 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 131)
  - Condition 5 on the requirements for the proposed permit complies with this rule.

- e. C-6982-25-1: 375 bhp Volvo Model TAD1251VE S/N 2012645348 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 336)
  - Condition 8 on the requirements for the proposed permit complies with this rule.
- f. C-6982-28-1: 260 bhp Cummins Model 6CTA S/N 45940215 Tier 1 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 109)
  - Condition 7 on the requirements for the proposed permit complies with this rule.
- g. C-6982-34-1: 510 bhp Cummins Model QSX15 S/N 79293433 Tier 3 Certified Diesel-Fired IC Engine Powering an Agricultural Irrigation Pump (ENG 383)
  - Condition 8 on the requirements for the proposed permit complies with this rule.

## **X. PERMIT SHIELD**

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

### **A. Requirements Addressed by Model General Permit Templates**

The applicant has not requested to utilize any model general permit templates.

### **B. Requirements not Addressed by Model General Permit Templates**

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

## **XI. PERMIT CONDITIONS**

See draft operating permit beginning on the following page.

# San Joaquin Valley Air Pollution Control District

FACILITY: C-6982-0-1

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, 6.1 and Kings County Rule 111] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0 and Kings County Rule 111] Federally Enforceable Through Title V Permit
3. {4364} The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. 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 (8/18/11). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. {4366} The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. {4367} A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. {4368} Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. {4369} The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. {4370} The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: WM BOLTHOUSE FARMS- SOUTH AVENAL  
Location: HIGHWAY 33 AND HIGHWAY 41, AVENAL, CA 93204  
C-6982-0-1 : Sep 4 2012 1:47PM - SIONGCOJ



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

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

22. {4383} No air contaminants shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann #1 or equivalent to 20% opacity and greater, unless specifically exempted by District Rule 4101 (02/17/05). If the equipment or operation is subject to a more stringent visible emission standard as prescribed in a permit condition, the more stringent visible emission limit shall supersede this condition. [District Rule 4101, and County Rules 401 (in all eight counties in the San Joaquin Valley)] Federally Enforceable Through Title V Permit
23. {4384} No person shall manufacture, blend, repackage, supply, sell, solicit or apply any architectural coating with a VOC content in excess of the corresponding limit specified in Table of Standards 1 effective until 12/30/10 or Table of Standards 2 effective on and after 1/1/11 of District Rule 4601 (12/17/09) for use or sale within the District. [District Rule 4601, 5.1] Federally Enforceable Through Title V Permit
24. {4385} All VOC-containing materials subject to Rule 4601 (12/17/09) shall be stored in closed containers when not in use. [District Rule 4601, 5.4] Federally Enforceable Through Title V Permit
25. {4386} The permittee shall comply with all the Labeling and Test Methods requirements outlined in Rule 4601 sections 6.1 and 6.3 (12/17/09). [District Rule 4601, 6.1 and 6.3] Federally Enforceable Through Title V Permit
26. {4387} With each report or document submitted under a permit requirement or a request for information by the District or EPA, the permittee shall include a certification of truth, accuracy, and completeness by a responsible official. [District Rule 2520, 9.13.1 and 10.0] Federally Enforceable Through Title V Permit
27. {4388} If the permittee performs maintenance on, or services, repairs, or disposes of appliances, the permittee shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. [40 CFR 82 Subpart F] Federally Enforceable Through Title V Permit
28. {4389} If the permittee performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), the permittee shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. [40 CFR Part 82, Subpart B] Federally Enforceable Through Title V Permit
29. {4390} Disturbances of soil related to any construction, demolition, excavation, extraction, or other earthmoving activities shall comply with the requirements for fugitive dust control in District Rule 8021 unless specifically exempted under Section 4.0 of Rule 8021 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8021 and 8011] Federally Enforceable Through Title V Permit
30. {4391} Outdoor handling, storage and transport of any bulk material which emits dust shall comply with the requirements of District Rule 8031, unless specifically exempted under Section 4.0 of Rule 8031 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8031 and 8011] Federally Enforceable Through Title V Permit
31. {4392} An owner/operator shall prevent or cleanup any carryout or trackout in accordance with the requirements of District Rule 8041 Section 5.0, unless specifically exempted under Section 4.0 of Rule 8041 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8041 and 8011] Federally Enforceable Through Title V Permit
32. {4393} Whenever open areas are disturbed, or vehicles are used in open areas, the facility shall comply with the requirements of Section 5.0 of District Rule 8051, unless specifically exempted under Section 4.0 of Rule 8051 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8051 and 8011] Federally Enforceable Through Title V Permit
33. {4394} Any paved road or unpaved road shall comply with the requirements of District Rule 8061 unless specifically exempted under Section 4.0 of Rule 8061 (8/19/2004) or Rule 8011 (8/19/2004). [District Rule 8061 and Rule 8011] Federally Enforceable Through Title V Permit

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

34. {4395} Any unpaved vehicle/equipment area that anticipates more than 50 Average annual daily Trips (AADT) shall comply with the requirements of Section 5.1.1 of District Rule 8071. Any unpaved vehicle/equipment area that anticipates more than 150 vehicle trips per day (VDT) shall comply with the requirements of Section 5.1.2 of District Rule 8071. On each day that 25 or more VDT with 3 or more axles will occur on an unpaved vehicle/equipment traffic area, the owner/operator shall comply with the requirements of Section 5.1.3 of District Rule 8071. On each day when a special event will result in 1,000 or more vehicles that will travel/park on an unpaved area, the owner/operator shall comply with the requirements of Section 5.1.4 of District Rule 8071. All sources shall comply with the requirements of Section 5.0 of District Rule 8071 unless specifically exempted under Section 4.0 of Rule 8071 (9/16/2004) or Rule 8011 (8/19/2004). [District Rule 8071 and Rule 8011] Federally Enforceable Through Title V Permit
35. {4396} Any owner or operator of a demolition or renovation activity, as defined in 40 CFR 61.141, shall comply with the applicable inspection, notification, removal, and disposal procedures for asbestos containing materials as specified in 40 CFR 61.145 (Standard for Demolition and Renovation). [40 CFR 61 Subpart M] Federally Enforceable Through Title V Permit
36. {4397} The permittee shall submit certifications of compliance with the terms and standards contained in Title V permits, including emission limits, standards and work practices, to the District and the EPA annually (or more frequently as specified in an applicable requirement or as specified by the District). The certification shall include the identification of each permit term or condition, the compliance status, whether compliance was continuous or intermittent, the methods used for determining the compliance status, and any other facts required by the District to determine the compliance status of the source. [District Rule 2520, 9.16] Federally Enforceable Through Title V Permit
37. {4398} The permittee shall submit an application for Title V permit renewal to the District at least six months, but not greater than 18 months, prior to the permit expiration date. [District Rule 2520, 5.2] Federally Enforceable Through Title V Permit
38. {4399} When a term is not defined in a Title V permit condition, the definition in the rule cited as the origin and authority for the condition in a Title V permits shall apply. [District Rule 2520, 9.1.1] Federally Enforceable Through Title V Permit
39. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
40. {98} No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
41. 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.

# San Joaquin Valley Air Pollution Control District

PERMIT UNIT: C-6982-2-1

EXPIRATION DATE: 12/31/2014

**EQUIPMENT DESCRIPTION:**

240 BHP CUMMINS MODEL QSC8-3 S/N 46953595 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (ENG 384)

## PERMIT UNIT REQUIREMENTS

1. 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 Kings County Rule 107] Federally Enforceable Through Title V Permit
2. 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 Kings County Rule 107] 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 Rule 4701] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be consumed by the engine. [District Rules 4801, Kings County 407 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. The permittee shall maintain an engine operating log to demonstrate compliance with District Rule 4702. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, the purpose of the operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with District Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
9. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 40 CFR 63.6660] Federally Enforceable Through Title V Permit
10. {3658} 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]

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

11. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
12. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595 (a)] Federally Enforceable Through Title V Permit
13. On and after May 3, 2013, the engine's oil and filter shall be changed every 1,000 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603/66.6640] Federally Enforceable Through Title V Permit
14. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the permittee shall maintain monthly records of all performance tests, opacity and visible emissions observations and required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63.6655(a)(3)/63.10(b)(2)(viii) and 63.6655(a)(4)] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)(2) and (a)(5)] 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-6982-4-1

EXPIRATION DATE: 12/31/2014

**EQUIPMENT DESCRIPTION:**

230 BHP CUMMINS MODEL 6CTA S/N 46700192 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (ENG 298)

## PERMIT UNIT REQUIREMENTS

1. 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 Kings County Rule 107] Federally Enforceable Through Title V Permit
2. 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 Kings County Rule 107] 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 Rule 4701] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be consumed by the engine. [District Rules 4801, Kings County 407 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702] Federally Enforceable Through Title V Permit
8. The permittee shall maintain an engine operating log to demonstrate compliance with District Rule 4702. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, the purpose of the operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with District Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
9. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 40 CFR 63.6660] Federally Enforceable Through Title V Permit
10. {3658} 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]

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

11. This certified Tier 2 engine shall be replaced with a new certified Tier 4 engine by January 1, 2015 or 12 years from the installation of the engine, whichever is later, to be in compliance with Rule 4702. Authority to Construct (ATC) application for new certified Tier 4 engine must be submitted to the District at least six months before the compliance date. [District Rule 4702] Federally Enforceable Through Title V Permit
12. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
13. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595 (a)] Federally Enforceable Through Title V Permit
14. On and after May 3, 2013, the engine's oil and filter shall be changed every 1,000 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603/66.6640] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the permittee shall maintain monthly records of all performance tests, opacity and visible emissions observations and required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63.6655(a)(3)/63.10(b)(2)(viii) and 63.6655(a)(4)] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)(2) and (a)(5)] 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-6982-9-1

EXPIRATION DATE: 12/31/2014

**EQUIPMENT DESCRIPTION:**

230 BHP CUMMINS MODEL 6CTA S/N 45799755 TIER 1 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION WELL PUMP (ENG 185)

## PERMIT UNIT REQUIREMENTS

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1. 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 Kings County Rule 107] Federally Enforceable Through Title V Permit
2. 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 Kings County Rule 107] 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 Rule 4701] Federally Enforceable Through Title V Permit
4. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be consumed by the engine. [District Rules 4801, Kings County 407 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
6. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
7. Operation of this engine shall not exceed 6,500 hours per year. [District Rule 4702] Federally Enforceable Through Title V Permit
8. 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
9. The permittee shall maintain an engine operating log to demonstrate compliance with District Rule 4702. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, the purpose of the operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with District Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 4702] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 4702 and 40 CFR 63.6660] Federally Enforceable Through Title V Permit

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



12. This certified Tier 1 or Tier 2 engine shall be replaced with a new certified Tier 4 engine by January 1, 2015 or 12 years from the installation of the engine, whichever is later, to be in compliance with Rule 4702. Authority to Construct (ATC) application for new certified Tier 4 engine must be submitted to the District at least six months before the compliance date. [District Rule 4702] Federally Enforceable Through Title V Permit
13. {3658} 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]
14. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595 (a)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine's oil and filter shall be changed every 1,000 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603/66.6640] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the permittee shall maintain monthly records of all performance tests, opacity and visible emissions observations and required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63.6655(a)(3)/63.10(b)(2)(viii) and 63.6655(a)(4)] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)(2) and (a)(5)] 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-6982-16-1

**EXPIRATION DATE:** 12/31/2014

**EQUIPMENT DESCRIPTION:**

500 BHP CUMMINS MODEL QSX 15 S/N 14035485 TIER 2 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION WELL PUMP (ENG 131)

## PERMIT UNIT REQUIREMENTS

1. 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 Kings County Rule 107] Federally Enforceable Through Title V Permit
2. 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 Kings County Rule 107] Federally Enforceable Through Title V Permit
3. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
4. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701] Federally Enforceable Through Title V Permit
5. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight shall be consumed by the engine. [District Rule 4801, 17 CCR 93115, 40 CFR 63.6604, and Kings County Rule 407] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
7. Operation of this engine shall not exceed 6,500 hours per year. [District Rule 4702] Federally Enforceable Through Title V Permit
8. 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
9. The permittee shall maintain an engine operating log to demonstrate compliance with District Rule 4702. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, the purpose of the operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with District Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 4702] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. This certified Tier 1 or Tier 2 engine shall be replaced with a new certified Tier 4 engine by January 1, 2015 or 12 years from the installation of the engine, whichever is later, to be in compliance with Rule 4702. Authority to Construct (ATC) application for new certified Tier 4 engine must be submitted to the District at least six months before the compliance date. [District Rule 4702] Federally Enforceable Through Title V Permit
13. {3658} 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]
14. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. After startup the emission standards applicable are specified in Table 2d of 40 CFR Part 63 Subpart ZZZZ. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595(a)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the CO emissions from the engine shall be reduced by 70% or shall not exceed 49 ppmvd @ 15% O<sub>2</sub> (equivalent to 0.44 g-CO/bhp-hr). [40 CFR 63.6603/63.6640 Table 2d, Row 2.a/2.b] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine shall be equipped with either a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or an open crank crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals. The permittee shall follow the manufacturer's specified maintenance requirements for operating and maintaining crankcase ventilation system. [40 CFR 63.6625(g)] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the CO after-treatment control device, if any, shall be maintained per manufacturer recommendations. [40 CFR 63.6625(e)] Federally Enforceable Through Title V Permit
19. By May 3, 2013, an initial performance testing to demonstrate compliance with the CO emission requirement shall be performed. [40 CFR 63.6612(a)] Federally Enforceable Through Title V Permit
20. The performance test shall consist of measuring the O<sub>2</sub> at the inlet and outlet of the control device with the use of a portable O<sub>2</sub> and CO analyzer following ASTM D6522-00 (2005) or Methods 3A and 10. Measurements to determine O<sub>2</sub> must be made at the same time as the measurements for the CO concentration. [40 CFR 63.6612/66.6620/66.6640 Table 4, Row 1] Federally Enforceable Through Title V Permit
21. The performance test shall consist of measuring the CO at the inlet and outlet of the control device with the use of a portable O<sub>2</sub> and CO analyzer following ASTM D6522-00 (2005), Method 10 of 40 CFR Appendix A, Method 320 of 40 CFR Part 63 Appendix A, or ASTM D6348-03. The CO concentration shall be corrected to 15% O<sub>2</sub>, dry basis. Measurements to determine O<sub>2</sub> must be made at the same time as the measurements for the CO concentration. [40 CFR 63.6612/66.6620/66.6640 Table 4, Row 1] Federally Enforceable Through Title V Permit
22. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081] Federally Enforceable Through Title V Permit
23. On and after May 3, 2013, the owner/operator shall submit an initial compliance demonstration report to the District within 60 days after the required source test. [District Rule 1081 and 40 CFR 63.6645(h)] Federally Enforceable Through Title V Permit
24. On and after May 3, 2013, the permittee shall maintain monthly records that include any information necessary to demonstrate compliance with 40 CFR 63 Subpart ZZZZ. [District Rule 1070 and 40 CFR 63.6655] Federally Enforceable Through Title V Permit

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PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

25. On and after May 3, 2013, the permittee shall maintain monthly records of all performance tests, opacity and visible emissions observations and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070 and 40 CFR 63.6655(a)(3)/63.10(b)(2)(viii) and 63.6655(a)(4)] Federally Enforceable Through Title V Permit
26. On and after May 3, 2013, the permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63.6655(a)(2) and (a)(5)] 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-6982-25-1

EXPIRATION DATE: 12/31/2014

## EQUIPMENT DESCRIPTION:

375 BHP VOLVO MODEL TAD1251VE S/N 2012645348 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (ENG 336)

## PERMIT UNIT REQUIREMENTS

1. 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 Kings County Rule 107] Federally Enforceable Through Title V Permit
2. 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 Kings County Rule 107] 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 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
5. Operation of this engine shall not exceed 6,500 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 2.64 g-NOx/bhp-hr, 0.60 g-CO/bhp-hr, or 0.19 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.10 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115] 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, 4801, Kings County Rule 407, and 40 CFR 60.4207, and 17 CCR 93115] Federally Enforceable Through Title V Permit
9. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR 60.4211] 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
11. The permittee 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

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
14. {3658} 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]

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-6982-28-1

EXPIRATION DATE: 12/31/2014

**EQUIPMENT DESCRIPTION:**

260 BHP CUMMINS MODEL 6CTA S/N 45940215 TIER 1 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (ENG 109)

## PERMIT UNIT REQUIREMENTS

1. 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 Kings County Rule 107] Federally Enforceable Through Title V Permit
2. 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 Kings County Rule 107] 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 Rule 4701] Federally Enforceable Through Title V Permit
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 5.82 g-NOx/bhp-hr, 0.67 g-CO/bhp-hr, and 0.52 g-VOC/bhp-hr. [District Rule 4702] Federally Enforceable Through Title V Permit
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 4801, Kings County Rule 407 and 17 CCR 93115] Federally Enforceable Through Title V Permit
8. 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
9. The permittee shall maintain an engine operating log to demonstrate compliance with District Rule 4702. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, the purpose of the operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with District Rule 4702 [District Rule 4702] Federally Enforceable Through Title V Permit
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 4702] Federally Enforceable Through Title V Permit
11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 40 CFR 63.6660] 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. An Authority to Construct (ATC) permit application should be submitted on or before July 1, 2014 to be in compliance with Rule 4702. [District Rule 4702] Federally Enforceable Through Title V Permit
13. {3658} 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]
14. On and after May 3, 2013, the permittee must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)] Federally Enforceable Through Title V Permit
15. On and after May 3, 2013, the engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63.6585/63.6595 (a)] Federally Enforceable Through Title V Permit
16. On and after May 3, 2013, the engine's oil and filter shall be changed every 1,000 hours of operation or every 12 months, whichever comes first. [40 CFR 63.6603/66.6640] Federally Enforceable Through Title V Permit
17. On and after May 3, 2013, the engine's air filter shall be inspected every 1,000 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit
18. On and after May 3, 2013, the engine's hoses and belts shall be inspected every 500 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63.6603/63.6640] Federally Enforceable Through Title V Permit
19. On and after May 3, 2013, the permittee shall maintain monthly records of all performance tests, opacity and visible emissions observations and required maintenance performed on the air pollution control and monitoring equipment. [40 CFR 63.6655(a)(3)/63.10(b)(2)(viii) and 63.6655(a)(4)] Federally Enforceable Through Title V Permit
20. On and after May 3, 2013, the permittee shall maintain monthly records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of action taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. [40 CFR 63.6655(a)(2) and (a)(5)] 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-6982-34-1

EXPIRATION DATE: 12/31/2014

## EQUIPMENT DESCRIPTION:

510 BHP CUMMINS MODEL QSX15 S/N 79293433 TIER 3 DIESEL-FIRED IC ENGINE POWERING A AGRICULTURAL IRRIGATION PUMP (ENG 383)

## PERMIT UNIT REQUIREMENTS

1. 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 Kings County Rule 107] Federally Enforceable Through Title V Permit
2. 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 Kings County Rule 107] 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 2201, 4701, and 4702] Federally Enforceable Through Title V Permit
4. 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
5. Operation of this engine shall not exceed 6,500 hours per year. [District Rule 2201] Federally Enforceable Through Title V Permit
6. Emissions from this IC engine shall not exceed any of the following limits: 4.11 g-NOx/bhp-hr, 0.30 g-CO/bhp-hr, or 0.22 g-VOC/bhp-hr. [District Rules 2201 and 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit
7. Emissions from this IC engine shall not exceed 0.05 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 17 CCR 93115] 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, 4801, Kings County Rule 407, and 17 CCR 93115 and 40 CFR Part 60 Subpart III] 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 Part 60 Subpart III] 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
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. [District Rule 4702] Federally Enforceable Through Title V Permit

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

12. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
13. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit
14. {3658} 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]

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

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# Attachment A

## Detailed Facility Printout

**Detailed Facility Report**  
For Facility=6982 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

<b>WM BOLTHOUSE FARMS- SOUTH AVENAL HIGHWAY 33 AND HIGHWAY 41 AVENAL, CA 93204</b>	<b>FAC #</b> STATUS: TELEPHONE:	<b>C 6982</b> <b>A</b>	<b>TYPE:</b> <b>TOXIC ID:</b>	<b>TitleV</b>	<b>EXPIRE ON:</b> <b>AREA:</b> <b>INSP. DATE:</b>	<b>12/31/2014</b> <b>5 /</b> <b>06/15</b>
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PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-6982-2-0	240 HP IC ENGINE	3020-10 C	1	240.00	240.00	A	240 BHP CUMMINS MODEL QSC8.3 SERIAL # 4G839158 (FACILITY ENGINE ID 384) TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP
C-6982-4-0	230 HP IC ENGINE	3020-10 C	1	240.00	240.00	A	230 BHP CUMMINS MODEL 6CTA SN 46700192 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP
C-6982-9-0	230 bhp IC engine	3020-10 C	1	240.00	240.00	A	230 BHP CUMMINS MODEL 6CTA SERIAL #45799755 TIER 1 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL WELL PUMP (ENG 185)
C-6982-12-0	155 bhp IC engine	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 155 BHP JOHN DEERE MODEL 6068T SERIAL #PE6068T234039 TIER 1 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENG 315)
C-6982-16-0	500 bhp diesel IC engine	3020-10 D	1	479.00	479.00	A	500 BHP CUMMINS MODEL QSX 15 TIER 2 SERIAL #14035485 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION WELL PUMP (ENG #131)
C-6982-22-0	300 bhp	3020-10 C	1	240.00	240.00	A	TRANSPORTABLE 300 BHP JOHN DEERE MODEL 6081H SERIAL # RG6081H241611 TIER 2 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENG 275)
C-6982-25-0	375 BHP IC ENGINE	3020-10 C	1	240.00	240.00	A	375 BHP VOLVO MODEL TAD1251VE S/N 2012645348 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (ENG 336)
C-6982-28-0	260 BHP diesel-fired IC engine	3020-10 C	1	240.00	240.00	A	260 BHP CUMMINS MODEL 6CTA S/N 45940215 TIER 1 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP (ENGINE #109)
C-6982-34-0	510 bhp IC engine	3020-10 D	1	479.00	479.00	A	510 BHP CUMMINS MODEL QSX15 SERIAL # 79293433 (FACILITY ENGINE ID 383) TIER 3 DIESEL-FIRED IC ENGINE POWERING A AGRICULTURAL IRRIGATION PUMP

Number of Facilities Reported: 1

Attachment B

Exempt Equipment

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

COMPANY NAME: Bolthouse Farms Inc. (South Avenal) FACILITY ID: C - 6982

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

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

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

# Attachment C

## SJVUAPCD Permits



# Permit to Operate

**FACILITY:** C-6982

**EXPIRATION DATE:** 12/31/2014

**LEGAL OWNER OR OPERATOR:**  
**MAILING ADDRESS:**

WM BOLTHOUSE FARMS- SOUTH AVENAL  
7200 E. BRUNDAGE LN  
BAKERSFIELD, CA 93307

**FACILITY LOCATION:**

HIGHWAY 33 AND HIGHWAY 41  
AVENAL, CA 93204

**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

**David Warner**  
Director of Permit Services



# San Joaquin Valley Air Pollution Control District

FACILITY: C-6982-0-0

EXPIRATION DATE: 12/31/2014

## FACILITY-WIDE REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

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: WM BOLTHOUSE FARMS- SOUTH AVENAL  
Location: HIGHWAY 33 AND HIGHWAY 41, AVENAL, CA 93204  
C-6982-0-0 : Aug 31 2012 3:24PM - SIONGCOJ

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6982-2-0

**EXPIRATION DATE:** 12/31/2014

**EQUIPMENT DESCRIPTION:**

240 BHP CUMMINS MODEL QSC8.3 SERIAL # 4G839158 (FACILITY ENGINE ID 384) TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

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1. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
2. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6982-4-0

**EXPIRATION DATE:** 12/31/2014

**EQUIPMENT DESCRIPTION:**

230 BHP CUMMINS MODEL 6CTA SN 46700192 TIER 3 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP

## **PERMIT UNIT REQUIREMENTS**

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1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6982-9-0

**EXPIRATION DATE:** 12/31/2014

**EQUIPMENT DESCRIPTION:**

230 BHP CUMMINS MODEL 6CTA SERIAL #45799755 TIER 1 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL WELL PUMP (ENG 185)

## PERMIT UNIT REQUIREMENTS

---

1. 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]
2. 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]
3. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
4. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701]
5. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
6. Operation of this engine shall not exceed 6,500 hours per year. [District Rule 4702]
7. 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]
8. The permittee shall maintain an engine operating log to demonstrate compliance with District Rule 4702. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, the purpose of the operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with District Rule 4702. [District Rule 4702]
9. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 4702]
10. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 4702]
11. This certified Tier 1 or Tier 2 engine shall be replaced with a new certified Tier 4 engine by January 1, 2015 or 12 years from the installation of the engine, whichever is later, to be in compliance with Rule 4702. Authority to Construct (ATC) application for new certified Tier 4 engine must be submitted to the District at least six months before the compliance date. [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-6982-12-0

**EXPIRATION DATE:** 12/31/2014

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 155 BHP JOHN DEERE MODEL 6068T SERIAL #PE6068T234039 TIER 1 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENG 315)

## PERMIT UNIT REQUIREMENTS

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1. Owner/operator may operate this permit unit at any of the following facilities: C-7843, S-7633, C-7837 and C-7842. [District Rule 2010]
2. 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]
3. 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]
4. 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]
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
6. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701]
7. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
8. Operation of this engine shall not exceed 6,500 hours per year. [District Rule 4702]
9. 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]
10. The permittee shall maintain an engine operating log to demonstrate compliance with District Rule 4702. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, the purpose of the operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with District Rule 4702. [District Rule 4702]
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 4702]
12. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 4702]
13. This certified Tier 1 or Tier 2 engine shall be replaced with a new certified Tier 4 engine by January 1, 2015 or 12 years from the installation of the engine, whichever is later, to be in compliance with Rule 4702. Authority to Construct (ATC) application for new certified Tier 4 engine must be submitted to the District at least six months before the compliance date. [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-6982-16-0

**EXPIRATION DATE:** 12/31/2014

**EQUIPMENT DESCRIPTION:**

500 BHP CUMMINS MODEL QSX 15 TIER 2 SERIAL #14035485 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION WELL PUMP (ENG #131)

## PERMIT UNIT REQUIREMENTS

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1. 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]
2. 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]
3. 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]
4. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
5. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701]
6. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
7. Operation of this engine shall not exceed 6,500 hours per year. [District Rule 4702]
8. 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]
9. The permittee shall maintain an engine operating log to demonstrate compliance with District Rule 4702. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, the purpose of the operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with District Rule 4702. [District Rule 4702]
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 4702]
11. All records shall be maintained and retained on-site for a period of at least 5 years and shall be made available for District inspection upon request. [District Rule 4702]
12. This certified Tier 1 or Tier 2 engine shall be replaced with a new certified Tier 4 engine by January 1, 2015 or 12 years from the installation of the engine, whichever is later, to be in compliance with Rule 4702. Authority to Construct (ATC) application for new certified Tier 4 engine must be submitted to the District at least six months before the compliance date. [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-6982-22-0

**EXPIRATION DATE:** 12/31/2014

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 300 BHP JOHN DEERE MODEL 6081H SERIAL # RG6081H241611 TIER 2 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION BOOSTER PUMP (ENG 275)

## PERMIT UNIT REQUIREMENTS

---

1. The permittee shall submit an Authority to Construct (ATC) application before January 1, 2017 to be in compliance with Rule 4702. [District Rule 4702]
2. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 2201, 4701, and 4702]
3. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
4. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
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. Operation of this engine shall not exceed 6,500 hours per year. [District Rule 2201]
9. Emissions from this IC engine shall not exceed any of the following limits: 4.32 g-NOx/bhp-hr, 0.60 g-CO/bhp-hr, or 0.23 g-VOC/bhp-hr. [District Rules 2201 and 4702, and 17 CCR 93115]
10. Emissions from this IC engine shall not exceed 0.11 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-6982-25-0

**EXPIRATION DATE:** 12/31/2014

**EQUIPMENT DESCRIPTION:**

375 BHP VOLVO MODEL TAD1251VE S/N 2012645348 TIER 3 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (ENG 336)

## 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. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702 and 17 CCR 93115]
3. Operation of this engine shall not exceed 6,500 hours per year. [District Rule 2201]
4. Emissions from this IC engine shall not exceed any of the following limits: 2.64 g-NOx/bhp-hr, 0.60 g-CO/bhp-hr, or 0.19 g-VOC/bhp-hr. [District Rule 2201 and 13 CCR 2423 and 17 CCR 93115]
5. Emissions from this IC engine shall not exceed 0.10 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102 and 13 CCR 2423 and 17 CCR 93115]
6. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rules 2201 and 4801 and 17 CCR 93115]
7. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
8. 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]
9. The permittee 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]
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6982-28-0

**EXPIRATION DATE:** 12/31/2014

**EQUIPMENT DESCRIPTION:**

260 BHP CUMMINS MODEL 6CTA S/N 45940215 TIER 1 CERTIFIED DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP (ENGINE #109)

## PERMIT UNIT REQUIREMENTS

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1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701]
2. 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]
3. 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]
4. This engine shall be equipped with an operational non-resettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
5. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
6. Emissions from this IC engine shall not exceed any of the following limits: 5.82 g-NOx/bhp-hr, 0.67 g-CO/bhp-hr, and 0.52 g-VOC/bhp-hr. [District Rule 4702]
7. Only CARB certified diesel fuel containing not more than 0.0015% sulfur by weight is to be used. [District Rule 4801]
8. 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]
9. The permittee shall maintain an engine operating log to demonstrate compliance with District Rule 4702. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, the purpose of the operation, type of fuel used, maintenance or modifications performed, monitoring data, and any other information necessary to demonstrate compliance with District Rule 4702 [District Rule 4702]
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 4702]
11. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]
12. An Authority to Construct (ATC) permit application should be submitted on or before July 1, 2014 to be in compliance with Rule 4702. [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-6982-34-0

**EXPIRATION DATE:** 12/31/2014

**EQUIPMENT DESCRIPTION:**

510 BHP CUMMINS MODEL QSX15 SERIAL # 79293433 (FACILITY ENGINE ID 383) TIER 3 DIESEL-FIRED IC ENGINE POWERING A AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

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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. Operation of this engine shall not exceed 6,500 hours per year. [District Rule 2201]
7. Emissions from this IC engine shall not exceed any of the following limits: 4.11 g-NOx/bhp-hr, 0.30 g-CO/bhp-hr, or 0.22 g-VOC/bhp-hr. [District Rules 2201 and 4702 and 17 CCR 93115]
8. Emissions from this IC engine shall not exceed 0.05 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 and 40 CFR Part 60 Subpart IIII]
10. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702 and 40 CFR Part 60 Subpart IIII]
11. 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]
12. 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]
13. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
14. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 40 CFR Part 63 Subpart ZZZZ]

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