



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT



NOV 04 2014

Ms. Julia Maddox Chow  
Maddox Farms  
3899 W Davis  
Riverdale, CA 93656

**Re: Notice of Final Action - Title V Permit  
District Facility # C-6927  
Project # C-1131222**

Dear Ms. Chow:

The District has issued the Final Title V Permit for Maddox Farms. The preliminary decision for this project was made on August 21, 2014. A summary of the comments and the District's response to each comment is included as an attachment to the engineering evaluation. The changes made did not significantly impact the preliminary public notice; therefore, republishing the preliminary decision is not required.

The public notice for issuance of the Final Title V Permit will be published approximately three days from the date of this letter.

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

Sincerely,

Arnaud Marjollet  
Director of Permit Services

Enclosures

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

**Seyed Sadredin**  
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# **SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT**

## **Maddox Farms**

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**ATTACHMENT C - PUBLIC COMMENTS AND DISTRICT RESPONSES**

## **TITLE V APPLICATION REVIEW**

Project #: C-1131222  
Deemed Complete: 4/17/13

Engineer : Jesse A. Garcia  
Date: October 24, 2014

Facility Number: C-6927  
Facility Name: Maddox Farms  
Mailing Address: 3899 W Davis  
Riverdale, CA 93656

Contact Name: Stephen Maddox  
Phone: (559) 233-5154 x.119

Responsible Official: Stephen Maddox  
Title: General Partner

### **I. PROPOSAL**

Maddox Farms is proposing that an initial Title V permit be issued for its dairy facility located in Riverdale, 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 permit conditions.

### **II. FACILITY LOCATION**

Maddox Farms is located at 3899 W Davis in Riverdale, CA.

### **III. EQUIPMENT LISTING**

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

### **IV. GENERAL PERMIT TEMPLATE USAGE**

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

## **V. SCOPE OF EPA AND PUBLIC REVIEW**

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

## **VI. REQUIREMENTS ADDRESSED BY GENERAL PERMIT TEMPLATES**

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

## **VII. APPLICABLE REQUIREMENTS NOT ADDRESSED BY GENERAL PERMIT TEMPLATES**

District Rule 1100, Equipment Breakdown (amended December 17, 1992)

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

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

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

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

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

District Rule 2070, Standards for Granting Applications (adopted 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 2520, Federally Mandate Operating Permits (amended June 21, 2001)

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

District Rule 4103, Open Burning (amended April 15, 2010)

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

District Rule 4550, Conservation Management Practices (adopted August 19, 2004)

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

District Rule 4701, Internal Combustion Engines (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)  
District Rule 8081, Agricultural Sources (amended September 16, 2004)  
40 CFR Part 60, Subpart IIII, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
40 CFR Part 60 Subpart JJJJ, Standards for Performance for Stationary Spark Ignited Internal Combustion Engines  
40 CFR Part 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

## **VIII. REQUIREMENTS NOT FEDERALLY ENFORCEABLE**

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

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

### **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.

- Condition 43 on the facility-wide requirements for the permit assures compliance 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.

See the table below for the demonstration of compliance for each unit.

Unit	Condition #
C-6927-2-2	2
C-6927-3-2	2
C-6927-4-2	2
C-6927-6-2	2
C-6927-7-3	2
C-6927-8-2	2
C-6927-9-2	2
C-6927-10-2	2
C-6927-14-2	2
C-6927-21-1	4
C-6927-22-1	4
C-6927-23-1	4
C-6927-24-1	4
C-6927-25-1	4
C-6927-26-1	4
C-6927-33-1	4
C-6927-34-1	4
C-6927-35-1	4
C-6927-36-2	4

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

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

See the table below for the demonstration of compliance for each stationary compression-ignited unit.

Unit	Condition #
C-6927-33-1	2, 3, 4, 5
C-6927-34-1	2, 3, 4, 5
C-6927-35-1	2, 3, 4, 5
C-6927-36-2	2, 3, 4, 5

**Title 17 CCR, Section 93116 - Airborne Toxic Control Measure (ATCM) for Portable Compression-Ignition (CI) Engines**

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

See the table below for the demonstration of compliance for each portable compression-ignited unit.

Unit	Condition #
C-6927-21-1	2, 3, 4, 5
C-6927-22-1	2, 3, 4, 5
C-6927-23-1	2, 3, 4, 5
C-6927-24-1	2, 3, 4, 5
C-6927-25-1	2, 3, 4, 5
C-6927-26-1	2, 3, 4, 5

**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 1081 – Source Sampling**

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

Section 3.1 requires that sampling port locations must be determined according to criteria in the California Air Resources Board Air Monitoring

Quality Assurance Volume VI, Standard Operating Procedures for Stationary Emission Monitoring and Testing.

Section 3.2 requires that sampling platforms must be constructed according to specifications shown in the Air Resources Board publication entitled Supplement to Stationary Source Test Methods, Volume I, Appendix A, page 1-A-15.

Section 3.3 requires that in addition to the general industry safety orders of the State of California Title 14, Number 32776, Chapter 4, Subchapter 7, pertaining to ladders, all ladders accessing sampling platforms on any stack, chimney, or other structure will be caged and equipped with rest platforms at 20 foot intervals.

Section 4.0 requires that the owner of such a source operation, when requested by the APCO, shall provide records or other information, which will enable the APCO to determine when a representative sample can be taken. In addition, upon the request of the APCO and as directed by him, the owner of such a source operation shall collect, have collected, or allow the APCO to collect, a source sample.

Section 5.0 requires that the applicable test method, if not specified in the rule, shall be conducted in accordance with Title 40 CFR Subpart 60 Appendix A, except PM<sub>10</sub> for compliance with Rule 2201 (New and Modified Stationary Source Review) requirements shall be conducted in accordance with Title 40 CFR Subpart 51, Appendix M, Method 201 or 201A. Where no test method exists in the preceding references for a source type, source sampling shall be conducted in accordance with CARB approved methods.

Section 6.1 requires that for the purpose of determining compliance with an applicable standard or numerical limitation, the arithmetic mean of three (3) test runs shall apply, unless two (2) of the three (3) results are above the applicable limit. If two (2) of three (3) runs are above an applicable limit the test cannot be used to demonstrate compliance with an applicable limit.

Section 6.2 requires that a scheduled source test may not be discontinued solely due to the failure of one or more runs to meet applicable standards.

Section 6.3 requires that In the event that a sample is accidentally lost or conditions occur in which one (1) of the three (3) runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sampling train, extreme meteorological conditions presenting a hazard to the sampling team, or other circumstances beyond



the owner or operators control, upon the APCO's approval, compliance may be determined using the arithmetic mean of the other two (2) runs.

Section 7.1 requires that the District must be notified 30 days prior to any compliance source testing and the owner shall submit a source test plan for District approval 15 days prior to source sampling.

Section 7.2 requires that source sampling to determine the compliance status of an emissions source shall be witnessed or authorized by District personnel.

Section 7.3 requires that Source test reports must be submitted to the District within 60 days of completion of field-testing. Source tests must be submitted for all District authorized compliance source tests regardless of pass, fail or reschedule because of failure, status. A District authorized compliance source test shall not be discontinued solely due to the failure of one (1) or more runs to meet applicable standards.

## 2. District Rule 1100 – Equipment Breakdown

This rule defines a breakdown condition and the procedures to follow if one occurs. The corrective action, the issuance of an emergency variance, and the reporting requirements are also specified. Sections 6.0 and 7.0 prescribe breakdown procedures and reporting requirements. District Rule 1100 has been submitted to the EPA to replace Madera County Rule 113 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 Stanislaus County Rule 110

REQUIREMENTS	District Rule 1100	Fresno Rule 110
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 and/or to be undertaken to avoid such an occurrence in	X	

REQUIREMENTS	District Rule 1100	Fresno Rule 110
the future.		
4) Pictures of the equipment or controls which failed if available.	X	

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

### 3. District Rule 1160 – Emission Statements

The purpose of this rule is to provide the District with an accurate accounting of emissions from significant sources with which the District and California EPA Air Resources Board (ARB) can compile an accurate inventory. Section 5.0 requires the owner or operator of any stationary source to provide the District with a written emissions statement showing actual emissions of reactive organic gases (ROGs) and nitrogen oxides (NOx) from that source. The District 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.

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

### 4. District Rule 2010 – Permits Required

District Rule 2010 sections 3.0 and 4.0 requires 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.

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

### 5. District Rule 2020 – Exemptions

District Rule 2020 lists equipment which is specifically exempt from obtaining permits and specifies recordkeeping requirements to verify such exemptions. The rule was amended in August 8, 2011. Since the amendments do not affect the current permit requirements, the changes to the rule will not be addressed in this evaluation.

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

#### **6. 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.

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

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

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

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

#### **8. 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.

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

#### **9. 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.

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

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

District Rule 2201 applies to new and modifying sources that require a District permit. Previously, agricultural operations in California were exempt from District permitting requirements. Pursuant to California Senate Bill (SB) 700 and effective January 1, 2004, agricultural operations with emissions exceeding  $\frac{1}{2}$  the major source threshold for any affected pollutant became subject to District permitting requirements. With the exception of permit units C-6927-22-1 through 35-1, the permit units at this agricultural production facility did not require a permit at the time of installation. Therefore, pursuant to Section 9.0 of District Rule 2020 – Exemptions, these units were not subject to the requirements of District Rule 2201 during the initial permitting action and will not be subject to District Rule 2201 until modified.

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

a. C-6927-22-1: TRANSPORTABLE 190 BHP CUMMINS MODEL QSB  
6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711223, UNIT #6)  
POWERING AN AGRICULTURAL IRRIGATION PUMP

- Conditions 3 through 6 and 11 from the current PTO have been removed and included as conditions 2 through 5 and 10, respectively, on the requirements for the permit.

b. C-6927-23-1: TRANSPORTABLE 190 BHP CUMMINS MODEL QSB  
6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46700122, UNIT #7)  
POWERING AN AGRICULTURAL IRRIGATION PUMP

- Conditions 3 through 6 and 11 from the current PTO have been removed and included as conditions 2 through 5 and 10, respectively, on the requirements for the permit.

c. C-6927-24-1: TRANSPORTABLE 190 BHP CUMMINS MODEL QSB  
6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711055, UNIT #4)  
POWERING AN AGRICULTURAL IRRIGATION PUMP

- Conditions 3 through 6 and 11 from the current PTO have been

removed and included as conditions 2 through 5 and 10, respectively, on the requirements for the permit.

d. C-6927-25-1: TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711097, UNIT #5) POWERING AN AGRICULTURAL IRRIGATION PUMP

- Conditions 3 through 6 and 11 from the current PTO have been removed and included as conditions 2 through 5 and 10, respectively, on the requirements for the permit.

e. C-6927-26-1: TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711132, UNIT #8) POWERING AN AGRICULTURAL IRRIGATION PUMP

- Conditions 3 through 6 and 11 from the current PTO have been removed and included as conditions 2 through 5 and 10, respectively, on the requirements for the permit.

f. C-6927-33-1: 260 BHP CUMMINS MODEL 8.3 TIER 3 DIESEL-FIRED IC ENGINE (S/N 73163852, UNIT 17-3) POWERING AN AGRICULTURAL IRRIGATION PUMP

- Conditions 4 through 6 and 10 from the current PTO have been removed and included as conditions 2 through 4 and 9, respectively, on the requirements for the permit.

g. C-6927-34-1: 335 BHP CUMMINS MODEL QSM11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 3527738, UNIT 21-3) POWERING AN AGRICULTURAL IRRIGATION PUMP

- Conditions 4 through 6 and 10 from the current PTO have been removed and included as conditions 2 through 4 and 9, respectively, on the requirements for the permit.

h. C-6927-35-1: 360 BHP CUMMINS MODEL QSM-11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 35277331, UNIT 17-7) POWERING AN AGRICULTURAL IRRIGATION PUMP

- Conditions 4 through 6 and 10 from the current PTO have been removed and included as conditions 2 through 4 and 9, respectively, on the requirements for the permit.

i. C-6927-36-2: 360 BHP CUMMINS MODEL QSM-11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 35277330, UNIT 18-18) POWERING AN AGRICULTURAL IRRIGATION PUMP

- Conditions 4 through 6 and 10 from the current PTO have been removed and included as conditions 2 through 4 and 9, respectively, on the requirements for the permit.

## **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.

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

- Condition 39 on the Facility-Wide requirements for the permit assures compliance 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.

- Condition 40 on the Facility-Wide requirements for the permit assures compliance with this rule.

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.

- Conditions 8 and 9 on the Facility-Wide requirements for the permit assure compliance 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.

- Conditions 10 and 11 on the Facility-Wide requirements for the permit assure compliance with this rule.

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

- Condition 12 on the Facility-Wide requirements for the permit assures compliance 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.

- Conditions 5 and 13 through 16 on the Facility-Wide requirements for the permit assure compliance 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.

- Condition 17 on the Facility-Wide requirements for the permit assures compliance 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.

- Condition 26 on the Facility-Wide requirements for the permit assures compliance 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.

- Conditions 18, 19, 20, and 21 on the Facility-Wide requirements for the permit assure compliance 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).

- Condition 38 on the Facility-Wide requirements for the permit assures compliance 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.

- Condition 26 on the Facility-Wide requirements for the permit assures compliance with this rule.

#### Greenhouse Gas Requirements

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

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

The purpose of this rule is to prohibit the emissions of visible air contaminants to the atmosphere. Section 5.0 prohibits the discharge of any air contaminant for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker in shade as that



designated as No. 1 on the Ringelmann Chart; or is of such opacity as to obscure an observer's view to a degree equal to or greater than the smoke described in Section 5.1 of Rule 4101.

- Condition 22 on the Facility-Wide requirements for the permit assures compliance with this rule.

### **13. District Rule 4103 - Open Burning**

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

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

Pursuant to Section 4.3, the following activities are exempt from the no-burn day restrictions, subject to APCO authorization and permit requirements.

Pursuant to Section 5.1.4, the Permit-to-Operate application or Authority-to-Construct application shall include the following information, which is in addition to the facility emission mitigation plan:

1. The burning of empty sacks which contained pesticides or other toxic substances, provided that the sacks are within the definition of agricultural burning
2. The burning of paper raisin trays
3. Other agricultural burning, if the denial of such burning would threaten imminent and substantial economic loss, and which is conducted pursuant to the following provisions:
  - a. The APCO may only authorize such burning when downwind metropolitan areas are forecast by the District to achieve the ambient air quality standards and/or a fire agency has not declared a no-burn day due to safety issues.
  - b. The District shall limit the amount of acreage that can be burned on any one no-burn day in any one county to 200 acres.
  - c. The granting of an exemption does not exempt the applicant from any other District or fire control regulations.
  - d. Within 15 days of receiving an exemption, the applicant shall return a signed application form that provides the reasons for requesting the exemption and shall pay the required District fee.

Section 5.1 requires that, except as otherwise provided in this rule, no person shall set, permit, or use an open outdoor fire for the purpose of disposal or burning of petroleum wastes; demolition or construction debris; residential rubbish; garbage or vegetation; tires; tar; trees; wood waste; or other combustible or flammable solid, liquid or gaseous waste; or for metal salvage or burning of motor vehicle bodies.

Section 5.2 stipulates that the APCO allocate burning based on the predicted meteorological conditions and whether the total tonnage to be emitted would allow the volume of smoke and other contaminants to cause a public nuisance, impact smoke sensitive areas, or create or contribute to an exceedance of an ambient air quality standard.

Section 5.3 stipulates that the APCO shall restrict the time of day when burns are ignited and conducted, as necessary.

Section 5.5.1 stipulates that, except for crops covered by Section 5.5.2, no permit shall be issued for the burning of the following categories of agricultural waste: field crops, prunings, weed abatement, except for the categories covered by Section 5.5.3, orchard removals, vineyard removal materials, surface harvested prunings, and other materials.

Pursuant to Section 5.5.2, the District may postpone the prohibitions in Section 5.5.1 and may issue permits for the burning of any agricultural waste, if all of the following criteria are met:

1. The Board determines that there is no economically feasible alternative means of eliminating the waste.
2. The Board determines that there is no long-term federal or state funding commitment for the continued operation of biomass facilities in the San Joaquin Valley or development of alternatives to burning.
3. The Board determines that the continued issuance of permits for that specific category or crop will not cause, or substantially contribute to, a violation of an applicable federal ambient air quality standard.
4. The California Air Resources Board concurs with the Board's determinations pursuant to this section.

Section 6.1 - Open Burn Permits, stipulates that no open burning shall be conducted or allowed unless the applicant provides all required information and obtains the appropriate permits from the APCO and other agencies with jurisdiction. Only material clearly described and quantified in the permit may be burned. Burning shall be conducted in accordance with the requirements of the permit and is only allowed on days specified by the District.

According to the information supplied by the applicant, this agricultural facility produces alfalfa, corn, and wheat and other grains. The District has not determined that these crops qualify for the postponement of prohibition of open burning provided in Section 5.5.2. Therefore, burning of the agriculture residues produced at this facility is prohibited. The information provided in the applicant's Conservation Management Practice (CMP) Plan for compliance with District Rule 4550 states that no burning of agricultural waste occurs at this facility.

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

#### 14. District Rule 4201 – Particulate Matter Concentration

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

##### Diesel-Fired IC Engines:

The worst case diesel-fired internal combustion engines at this facility are US EPA certified to Tier 2 standards with PM emissions limit of 0.22 g/bhp-hr. The following calculation will show that the particulate matter emissions from diesel-fired engines will be less than or equal to the rule limit of 0.1 grain per cubic foot of gas at dry standard conditions:

$$\text{PM Conc.} = 0.22 \text{ g-PM}_{10}/\text{bhp-hr} \times 1 \text{ g-PM}/0.96 \text{ g-PM}_{10} \times 1 \text{ bhp-hr}/2,542.5 \text{ Btu} \\ \times 1,000,000 \text{ Btu}/9,051 \text{ dscf} \times 0.35 \text{ Btu}_{\text{out}}/1 \text{ Btu}_{\text{in}} \times 15.43 \text{ gr/g}$$

$$\text{PM Conc.} = 0.06 \text{ gr-PM/dscf} < 0.1 \text{ gr-PM/dscf}$$

- Condition 44 on the Facility-Wide requirements for the permit assures compliance with this rule.

##### Natural Gas-Fired Units:

The following calculations, using AP-42 emission factors for natural gas, demonstrate that the emission of PM during the firing of natural gas complies with the limits of the rule.

$$0.038 \frac{\text{g}}{\text{hp} \cdot \text{hr}} \times \frac{1 \text{ hp} \cdot \text{hr}}{2,542.5 \text{ Btu}} \times \frac{10^6 \text{ Btu}}{8,578 \text{ dscf}} \times \frac{0.30 \text{ Btu}_{\text{out}}}{1 \text{ Btu}_{\text{in}}} \times \frac{15.43 \text{ grain}}{\text{g}} = 0.008 \frac{\text{grain}}{\text{dscf}}$$

where:

0.038 g/hp-hr includes both filterable and condensable emissions from AP-42 (7/00) Table 3.2-2)

- Condition 44 on the Facility-Wide requirements for the permit assures compliance with this rule.

#### **15. District Rule 4550 - Conservation Management Practices**

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

Pursuant to Section 5.1, effective on and after July 1, 2004, an owner/operator shall implement the applicable CMPs selected pursuant to Section 6.2 for each agricultural operation site.

Pursuant to Section 5.2, an owner/operator shall prepare and submit a CMP application for each agricultural operation site, pursuant to Section 6.0, to the APCO for approval. The facility has submitted a CMP application for each of their agricultural site, and is therefore in compliance.

Pursuant to Section 5.3, except as provided by Section 5.4, an owner/operator shall implement the CMPs as contained in the CMP Plan approved pursuant to Section 6.0 for each agricultural operation site no later than ten (10) days after notification by the APCO of the approval of the CMP Application.

Pursuant to Section 6.2, an owner/operator shall select one CMP from the CMP list for each of the applicable CMP categories.

Pursuant to Section 6.2.3, an owner/operator may select a substitute CMP from another CMP category when no feasible CMP can be identified from one category. This provision does not apply for the unpaved road, and unpaved vehicle/equipment traffic area CMP categories.

Pursuant to Section 6.3, an owner/operator shall submit a CMP Application, prepared pursuant to Section 6.1, to the APCO: 1) within 90 days for an agricultural operation site or an agricultural parcel that is acquired or becomes subject to the provisions of Section 5.0 after October

31, 2004, 2) within 60 days of any operational, administrative, or other modification that necessitates the revision of the CMP Plan.

Pursuant to Section 6.5.1, an owner/operator subject to Section 5.0 shall maintain a copy of each CMP application, CMP plan, and any supporting information necessary to confirm the implementation of the CMPs for a minimum of five (5) years.

- Condition 36 of the requirements of the facility-wide permit assures compliance with this rule.

#### **16. District Rule 4601 – Architectural Coatings**

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

- Conditions 23, 24, and 25 on the Facility-Wide requirements for the permit assure compliance with this rule.

#### **17. 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 these units are only for the growing of crops or raising fowl or animals, they are exempt from Rule 4701 pursuant to Section 4.1.

See the table below for the demonstration of compliance for each unit.

Unit	Condition #
C-6927-2-2	1
C-6927-3-2	1
C-6927-4-2	1
C-6927-6-2	1
C-6927-7-3	1
C-6927-8-2	1
C-6927-9-2	1
C-6927-10-2	1
C-6927-14-2	1
C-6927-22-1	1
C-6927-23-1	1
C-6927-24-1	1
C-6927-25-1	1
C-6927-26-1	1
C-6927-33-1	1
C-6927-34-1	1
C-6927-35-1	1
C-6927-36-2	1

#### 18. District Rule 4702, Internal Combustion Engines–Phase 2

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. This rule applies to any internal combustion (IC) engine with a rated brake horsepower greater than 50 horsepower.

Section 5.2.3 requires that the owner of a spark-ignited internal combustion engine used exclusively in agricultural operations shall not operate it in such a manner that results in emissions exceeding the limits in the table below for the appropriate engine type according to the compliance schedules listed in Section 7.0:

Rule 4702 Section 5.2.3, Table 3			
Engine Type	NO <sub>x</sub>	CO	VOC
1. Rich burn	90 ppmv or 80% reduction	2000 ppmv	250 ppmv
2. Lean burn	150 ppmv or 70% reduction	2000 ppmv	750 ppmv
3. Certified and installed on or before June 16, 2005	Meet Certified Spark-Ignited Engine Standard of HC+NO <sub>x</sub> < 0.6 g/bhp-hr		

The natural gas engines are authorized to install a control system capable of achieving compliance with these emission standards under the Authority to Construct permits issued in Project C-1110613.

In order to ensure compliance with the requirements of District Rule 4702, Authority to Construct (ATCs) permits C-6927-2-2 through -14-2 shall be fully implemented within six months of the finalized Title V permit renewal for this facility.

See the table below for the demonstration of compliance for each unit.

Unit	Condition #
C-6927-2-2	13
C-6927-3-2	13
C-6927-4-2	13
C-6927-6-2	13
C-6927-7-3	13
C-6927-8-2	13
C-6927-9-2	13
C-6927-10-2	13
C-6927-14-2	13

#### 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.

Rule 4702 Section 5.2.4, Table 4		
Engine Type	Emission Limit/Standard	Compliance Date
1. Non-Certified Compression-Ignited Engine		
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
2. Certified Compression-Ignited Engine		
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

The EPA Tier 2 certified engine, C-6927-21, will be required to be replaced by a Tier 4 engine by 1/1/2015 or 12 years after installation date, whichever is later.

The remaining diesel-fired IC engines are EPA certified Tier 3 and meet the emission limit/standard in Table 2, row 2b.

#### 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.

See the table below for the demonstration of compliance for each unit.

Unit	Condition #
C-6927-21-1	2, 6, 7, 8, 9, 11, 12
C-6927-22-1	2, 3, 6, 7, 8, 9, 11
C-6927-23-1	2, 3, 6, 7, 8, 9, 11
C-6927-24-1	2, 3, 6, 7, 8, 9, 11
C-6927-25-1	2, 3, 6, 7, 8, 9, 11
C-6927-26-1	2, 3, 6, 7, 8, 9, 11
C-6927-33-1	2, 5, 6, 7, 8, 10
C-6927-34-1	2, 5, 6, 7, 8, 10
C-6927-35-1	2, 5, 6, 7, 8, 10
C-6927-36-2	2, 5, 6, 7, 8, 10

## **19. District Rule 8011 - General Requirements**

The purpose of Regulation VIII (Fugitive PM<sub>10</sub> Prohibitions) is to reduce ambient concentrations of fine particulate matter (PM<sub>10</sub>) by requiring actions to prevent, reduce or mitigate anthropogenic fugitive dust emissions. The Rules contained in this Regulation have been developed pursuant to United States Environmental Protection Agency guidance for Serious PM<sub>10</sub> Nonattainment Areas. The rules are applicable to specified anthropogenic fugitive dust sources. Fugitive dust contains PM<sub>10</sub> and particles larger than PM<sub>10</sub>. Controlling fugitive dust emissions when visible emissions are detected will not prevent all PM<sub>10</sub> emissions, but will substantially reduce PM<sub>10</sub> emissions.

The provisions of this rule are applicable to specified outdoor fugitive dust sources. The definitions, exemptions, requirements, administrative requirements, recordkeeping requirements, and test methods set forth in this rule are applicable to all Rules under Regulation VIII (Fugitive PM<sub>10</sub> Prohibitions) of the Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District.

- Conditions 29 through 34 of the requirements of the Facility-Wide permit assure compliance with this rule.

## **20. District Rule 8021 - Construction, Demolition, Excavation, Extraction, and Other Earthmoving Activities**

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

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

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

- Condition 29 of the requirements of the Facility-Wide permit assures compliance with this rule.

## **21. District Rule 8031 - Bulk Materials**

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

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

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

## **22. District Rule 8041 - Carryout and Trackout**

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

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

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

### **23. District Rule 8051 - Open Areas**

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

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

- Condition 32 of the requirements of the Facility-Wide permit assures compliance with this rule.

### **24. District Rule 8061 - Paved and Unpaved Roads**

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

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

### **25. District Rule 8071 - Unpaved Vehicle/Equipment Traffic Area**

The purpose of this rule is to limit fugitive dust emissions from unpaved vehicle and equipment traffic areas by implementing control measures

and design criteria. This rule applies to any unpaved vehicle/equipment traffic area of 1.0 acre or larger.

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

## **26. District Rule 8081 - Agricultural Sources**

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

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

- Condition 35 of the requirements of the Facility-Wide permit assures compliance with this rule.

## **27.40 CFR 60, Subpart III – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines**

Section 60.4200(a)(2)(i) states that the provisions of this subpart apply to owners and operators of stationary compression ignition (CI) internal combustion engines that commence construction after July 11, 2005 where the engines are manufactured after April 1, 2006 and are not fire pump engines. The compression ignited engines at this facility were manufactured after 2006, except unit -21, and are not a fire pump engine. Therefore, this subpart applies to the compression ignited engines, except unit -21.

Sections 60.4201 through 60.4203 apply to engine manufacturers. Therefore, these sections will not be discussed unless they are referenced later by another section of this subpart.

Section 60.4204(a) states that 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 standards in table 1 of the subpart. EPA Tier 2 certified engines comply with limits in table 1 for a 174 bhp engine. The applicant is proposing to use an engine that is certified to EPA Tier certification level 2 (Tier 2) for the applicable horsepower range, guaranteeing compliance with the emission standards of Subpart IIII.

Section 60.4204(b) states that 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 Section 60.4201. Section 60.4201 states that engine manufacturers must certify their 2007 model year and later non-emergency stationary CI engines to the applicable certification emission standards based on the engine size and number of liters per cylinder. The applicant is proposing to use engines that are certified to the latest EPA Tier certification level (Tier 3) for the applicable horsepower range, guaranteeing compliance with the emission standards of Subpart IIII.

Section 60.4205 lists emission standards for owners or operators of emergency CI engines. The engines at this facility are not used for emergency operation. Therefore, this section does not apply.

Section 60.4206 states that owners or operators of CI engines must meet the applicable emission standards for the entire life of said engines. The Tier 2 and 3 certified emissions for the engines at this facility will be listed on the permit as emission factors, ensuring that the emission standards are met over the entire life of this engine.

Section 60.4207(b) states that 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 use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel. Section 80.510(b) states that beginning June 1, 2010, except as otherwise specifically provided in this subpart, the sulfur content for all non-road diesel fuel shall not exceed 15 ppm. The engines at this facility will be required to use CARB certified diesel fuel, which meets all of the fuel requirements listed in Subpart IIII.

Section 60.4208 lists deadline dates for importing or installing stationary CI engines produced in the previous model year. None of the deadline dates affect the engines at this facility. Therefore, this section does not apply.

Section 60.4209 applies to emergency stationary CI engines and stationary CI engines equipped with a diesel particulate filter. The engines at this facility do not fall under these two categories. Therefore, this section does not apply.

Section 60.4210 applies only to engine manufacturers. Therefore, this section will not be discussed unless it is referenced later by another section of this subpart.

Section 60.4211(a) states that owners or operators who comply with the emission standards specified in this subpart must operate and maintain the stationary CI engine and control device according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. The permits for the engines at this facility comply with this requirement and will continue to comply.

Section 60.4211(b) applies to pre-2007 model year engines and requires compliance be demonstrated with an approved method. Approved method states in Section 60.4211(b)(1) is a certified engine according to 40 CFR part 89 or 40 CFR part 94, as applicable, for the same model year and maximum engine power. The pre-2007 model year engine is a Tier 2 certified engine; therefore, compliance is demonstrated with the conditions listed on the permit as emission factors.

Section 60.4211(c) states that if you are an owner or operator of a 2007 model year and later stationary CI internal combustion engine and must comply with the emission standards specified in Section 60.4204(b) or Section 60.4205(b), or if you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in table 3 to this subpart and must comply with the emission standards specified in Section 60.4205(c), you must comply by purchasing an engine certified to the emission standards in Section 60.4204(b), or Section 60.4205(b) or (c), as applicable, for the same model year and maximum (or in the case of fire pumps, NFPA nameplate) engine power. The engine must be installed and configured according to the manufacturer's specifications. The engines at this facility are Tier 3 certified engines that comply with the emission standards in Section 60.4204(b). Therefore, this section is satisfied.

Section 60.4211(d) applies to owners or operators who must comply with the emission standards specified in Section 60.4204(c) or Section 60.4205(d). The engines at this facility are not subject to the emission standards specified in Sections 60.4204(c) or 60.205(d). Therefore, this section does not apply.

Section 60.4211(e) applies to owners or operators of emergency stationary CI engines. Therefore, this section does not apply.

Section 60.4212 applies to owners or operators of a stationary CI engine with a displacement of less than 30 liters per cylinder and required to conduct performance tests pursuant to Section 60.4211(b). Section 60.4211(b) does not apply to these engines. Therefore, performance tests are not required and this section does not apply.

Section 60.4213 applies to owners or operators of CI engines with a displacement of greater than or equal to 30 liters per cylinder. Per the CARB/EPA emissions data sheet for the engines, the displacement for the engine is less than 30 liters per cylinder. Therefore, this section does not apply.

Section 60.4214(a) states owners and operators of non-emergency stationary CI engines that are greater than 3,000 hp, or have a displacement of greater than or equal to 10 liters per cylinder, or are pre-2007 model year engines that are greater than 175 bhp and not certified, must meet the requirements of paragraphs (a)(1) and (2) of this section. The engines are post-2007 model year non-emergency engines rated less than 3,000 hp. Per the CARB/EPA executive order for the engines, the displacement is less than 10 liters per cylinder. Therefore, this section does not apply.

Section 60.4214(b) applies to emergency stationary CI engines. Therefore, this section does not apply.

Section 60.4214(c) applies to stationary CI engines equipped with a diesel particulate filter. Therefore, this section does not apply.

Sections 60.4215 and 60.4216 apply to engines operated outside the continental United States. Therefore, these sections do not apply.

Section 60.4217 applies to engines that do not use diesel fuel. Therefore, this section does not apply.

See the table below for the demonstration of compliance for each unit.



Unit	Condition #
C-6927-33-1	2, 3, 4, 6
C-6927-34-1	2, 3, 4, 6
C-6927-35-1	2, 3, 4, 6
C-6927-36-2	2, 3, 4, 6

#### **28.40 CFR 60 Subpart JJJJ – Standards for Performance for Stationary Spark Ignited Internal Combustion Engines**

The purpose of 40 CFR 60 Subpart JJJJ is to establish New Source Performance Standards (NSPS) to reduce emissions of NO<sub>x</sub>, SO<sub>x</sub>, PM, CO, and VOC from new stationary reciprocating spark ignited IC engines.

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

#### **29.40 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.

- Condition 37 on the Facility-Wide requirements for the permit assures compliance with this rule.

#### **30.40 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.

- Permit units C-6927-21-2 through -26-2 are existing; however, since they are transportable, this Subpart does not apply.

§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.

- Permit units C-6927-2-2 through -14-2 are the only existing stationary RICE at this facility since they commenced construction before June 12, 2006.

§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 2c to this subpart.

Table 2c to Subpart ZZZZ of Part 63— Requirements for Existing Compression Ignition Stationary RICE Located at a Major Source of HAP Emissions and Existing Spark Ignition Stationary RICE ≤500 HP Located at a Major Source of HAP Emissions

For each	You must meet the following requirement, except during periods of startup	During periods of startup you must
11. Non-emergency, non-black start 4SRB stationary RICE 100≤HP≤500	Limit concentration of formaldehyde in the stationary RICE exhaust to 10.3 ppmvd or less at 15 percent O <sub>2</sub> .	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.

Since these engines are not CI, this section does not apply.

§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:

§63.6625(e)(7) An existing non-emergency, non-black start 4SLB stationary RICE with a site rating less than or equal to 500 HP located at an area source of HAP emissions.

However, the engines at this facility are not equipped with an after-treatment control device.

§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

For each	Complying with the requirement to	You must	Using	According to the following requirements
2. 4SRB stationary RICE	a. reduce formaldehyde emissions	i. Select the sampling port location and the number/location of traverse points at the inlet and outlet of the control device; and		(a) For formaldehyde, O <sub>2</sub> , and moisture measurement, ducts ≤6 inches in diameter may be sampled at a single point located at the duct centroid and ducts >6 and ≤12 inches in diameter may be sampled at 3 traverse points located at 16.7, 50.0, and 83.3% of the measurement line ('3-point long line'). If the duct is >12 inches in diameter and the sampling port location meets the two and half-diameter criterion of Section 11.1.1 of Method 1 of 40 CFR part 60, appendix A, the duct may be sampled at '3-point long line'; otherwise, conduct the stratification testing and select sampling points according to Section 8.1.2 of Method 7E of 40 CFR part 60, appendix A.
		ii. Measure O <sub>2</sub> at the inlet and outlet of the control device; and	(1) Method 3 or 3A or 3B of 40 CFR part 60, appendix A-2, or ASTM Method D6522-00 (Reapproved 2005)a (heated probe not necessary)	(a) Measurements to determine O <sub>2</sub> concentration must be made at the same time as the measurements for formaldehyde or THC concentration.
		iii. Measure moisture content at the inlet and outlet of the control device; and	(1) Method 4 of 40 CFR part 60, appendix A-3, or Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348-03a	(a) Measurements to determine moisture content must be made at the same time and location as the measurements for formaldehyde or THC concentration.
		iv. If demonstrating compliance with the formaldehyde percent reduction requirement, measure formalde-hyde at the inlet and the outlet of the control device	(1) Method 320 or 323 of 40 CFR part 63, appendix A; or ASTM D6348-03 Annex A5 (Analyte Spiking Technique), the percent R must be greater than or equal to 70 and less than or equal to 130	(a) Formaldehyde concentration must be at 15 percent O <sub>2</sub> , dry basis. Results of this test consist of the average of the three 1-hour or longer runs.

		v. If demonstrating compliance with the THC percent reduction requirement, measure THC at the inlet and the outlet of the control device	(1) Method 25A, reported as propane, of 40 CFR part 60, appendix A-7	(a) THC concentration must be at 15 percent O <sub>2</sub> , dry basis. Results of this test consist of the average of the three 1-hour or longer runs.
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§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.

See the table below for the demonstration of compliance for each unit.

Unit	Condition #
C-6927-2-2	3, 4, 5, 6, 7, 8, 9, 10, 11, 12
C-6927-3-2	3, 4, 5, 6, 7, 8, 9, 10, 11, 12
C-6927-4-2	3, 4, 5, 6, 7, 8, 9, 10, 11, 12
C-6927-6-2	3, 4, 5, 6, 7, 8, 9, 10, 11, 12
C-6927-7-3	3, 4, 5, 6, 7, 8, 9, 10, 11, 12
C-6927-8-2	3, 4, 5, 6, 7, 8, 9, 10, 11, 12
C-6927-9-2	3, 4, 5, 6, 7, 8, 9, 10, 11, 12
C-6927-10-2	3, 4, 5, 6, 7, 8, 9, 10, 11, 12
C-6927-14-2	3, 4, 5, 6, 7, 8, 9, 10, 11, 12

### 31.40 CFR Part 64 – Compliance Assurance Monitoring (CAM)

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

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

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

Since none of the engines at this facility are equipped with an add-on control, CAM is not applicable.

### 32.40 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).

- Conditions 27 and 28 on the Facility-Wide requirements for the permit assure compliance with this rule.

## **X. PERMIT SHIELD**

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

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

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

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

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

## **XI. INITIAL TITLE V OPERATING PERMIT**

See operating permit beginning on the following page.



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT



**HEALTHY AIR LIVING™**

# Permit to Operate

**FACILITY:** C-6927

**EXPIRATION DATE:** 12/31/2018

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

MADDOX FARMS  
3899 W DAVIS  
RIVERDALE, CA 93656-9735

**FACILITY LOCATION:**

12863 W KAMM  
RIVERDALE, CA 93656-9735

**FACILITY DESCRIPTION:**

AGRICULTURAL CROP PRODUCTION

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

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

**Seyed Sadredin**  
Executive Director / APCO

**Arnaud Marjollet**  
Director of Permit Services



# San Joaquin Valley Air Pollution Control District

**FACILITY:** C-6927-0-1

**EXPIRATION DATE:** 12/31/2018

## **FACILITY-WIDE REQUIREMENTS**

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1. The owner or operator shall notify the District of any breakdown condition as soon as reasonably possible, but no later than one hour after its detection, unless the owner or operator demonstrates to the District's satisfaction that the longer reporting period was necessary. [District Rule 1100, 6.1; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
2. The District shall be notified in writing within ten days following the correction of any breakdown condition. The breakdown notification shall include a description of the equipment malfunction or failure, the date and cause of the initial failure, the estimated emissions in excess of those allowed, and the methods utilized to restore normal operations. [District Rule 1100, 7.0; County Rules 110 (Fresno, Stanislaus, San Joaquin); 109 (Merced); 113 (Madera); and 111 (Kern, Tulare, Kings)] Federally Enforceable Through Title V Permit
3. The owner or operator of any stationary source operation that emits more than 25 tons per year of nitrogen oxides or reactive organic compounds, shall provide the District annually with a written statement in such form and at such time as the District prescribes, showing actual emissions of nitrogen oxides and reactive organic compounds from that source. [District Rule 1160, 5.0] Federally Enforceable Through Title V Permit
4. Any person building, altering or replacing any operation, article, machine, equipment, or other contrivance, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants, shall first obtain an Authority to Construct (ATC) from the District unless exempted by District Rule 2020 (12/20/07). [District Rule 2010, 3.0 and 4.0; and 2020] Federally Enforceable Through Title V Permit
5. The permittee must comply with all conditions of the permit including permit revisions originated by the District. All terms and conditions of a permit that are required pursuant to the Clean Air Act (CAA), including provisions to limit potential to emit, are enforceable by the EPA and Citizens under the CAA. Any permit noncompliance constitutes a violation of the CAA and the District Rules and Regulations, and is grounds for enforcement action, for permit termination, revocation, reopening and reissuance, or modification; or for denial of a permit renewal application. [District Rules 2070, 7.0; 2080; and 2520, 9.9.1 and 9.13.1] Federally Enforceable Through Title V Permit
6. A Permit to Operate or an Authority to Construct shall not be transferred unless a new application is filed with and approved by the District. [District Rule 2031] Federally Enforceable Through Title V Permit
7. Every application for a permit required under Rule 2010 (12/17/92) shall be filed in a manner and form prescribed by the District. [District Rule 2040] Federally Enforceable Through Title V Permit
8. The operator shall maintain records of required monitoring that include: 1) the date, place, and time of sampling or measurement; 2) the date(s) analyses were performed; 3) the company or entity that performed the analysis; 4) the analytical techniques or methods used; 5) the results of such analysis; and 6) the operating conditions at the time of sampling or measurement. [District Rule 2520, 9.4.1] Federally Enforceable Through Title V Permit
9. The operator shall retain records of all required monitoring data and support information for a period of at least 5 years from the date of the monitoring sample, measurement, or report. Support information includes copies of all reports required by the permit and, for continuous monitoring instrumentation, all calibration and maintenance records and all original strip-chart recordings. [District Rule 2520, 9.4.2] Federally Enforceable Through Title V Permit

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MADDOX FARMS

Location: 12863 W KAMM, RIVERDALE, CA 93656-9735

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

FACILITY-WIDE REQUIREMENTS CONTINUE ON NEXT PAGE

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

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

35. The owner or operator shall comply with Sections 5.1 through 5.3 of District Rule 8081 and shall sufficiently implement at least one of the control measures indicated in each section of Table 8081-1 to limit Visible Dust Emissions to 20% opacity or to comply with the conditions for a stabilized surface as defined in Rule 8011, unless specifically exempted under Section 4.0 of Rule 8081 (9/16/2004) or Rule 8011 (8/19/2004). The owner or operator shall also comply with all applicable requirements of Regulation VIII unless specifically exempted by the applicable rules. [District Rules 8081 and 8011] Federally Enforceable Through Title V Permit
36. The owner or operator shall implement the applicable conservation management practices (CMP) selected in the approved CMP plan pursuant to Section 6.2 of District Rule 4550 (8/19/04). The owner or operator shall submit a CMP application to the APCO prepared pursuant to Section 6.1 of District Rule 4550 (8/19/04) within 90 days for an agricultural operation site or an agricultural parcel that is acquired or becomes subject to District Rule 4550 and within 60 days of any operational, administrative, or other modification that necessitates revision of the CMP Plan. The owner or operator shall maintain a copy of each CMP application, CMP plan, and any supporting information necessary to confirm the implementation of the CMPs for a minimum of five (5) years. [District Rule 4550] Federally Enforceable Through Title V Permit
37. 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
38. 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
39. 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
40. 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
41. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following outdated SIP requirements: Rule 401 (Madera, Fresno, Kern, Kings, San Joaquin, Stanislaus, Tulare and Merced), Rule 110 (Fresno, Stanislaus, San Joaquin), Rule 109 (Merced), Rule 113 (Madera), Rule 111 (Kern, Tulare, Kings), and Rule 202 (Fresno, Kern, Tulare, Kings, Madera, Stanislaus, Merced, San Joaquin). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
42. Compliance with permit conditions in the Title V permit shall be deemed in compliance with the following applicable requirements: SJVUAPCD Rules 1100, sections 6.1 and 7.0 (12/17/92); 2010, sections 3.0 and 4.0 (12/17/92); 2031 (12/17/92); 2040 (12/17/92); 2070, section 7.0 (12/17/92); 2080 (12/17/92); 4101 (2/17/05); 4601 (12/17/09); 8021 (8/19/2004); 8031 (8/19/2004); 8041 (8/19/2004); 8051 (8/19/2004); 8061 (8/19/2004); and 8071 (9/16/2004). A permit shield is granted from these requirements. [District Rule 2520, 13.2] Federally Enforceable Through Title V Permit
43. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
44. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
45. 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]

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

46. 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-6927-2-2

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP (22-2)

## 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] Federally Enforceable Through Title V Permit
2. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rule 4801] Federally Enforceable Through Title V Permit
3. 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 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine's oil and filter shall be changed every 1,440 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The engine's spark plugs shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. The engine's hoses and belts shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records that include any information necessary to demonstrate compliance with 40 CFR 63, ZZZZ. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of the operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of the action(s) taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning operation and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MADDOX FARMS

Location: 12863 W KAMM, RIVERDALE, CA 93656-9735

C-6927-2-2 Oct 28 2014 8:15AM - REFUELED

11. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 40 CFR 63, ZZZZ] Federally Enforceable Through Title V Permit
13. In order to ensure compliance with the requirements of District Rule 4702, Authority to Construct (ATC) C-6927-2-1 shall be fully implemented within twelve months of the finalized Title V permit renewal for this facility. [District Rules 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-3-2

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP (22-6)

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rule 4801] Federally Enforceable Through Title V Permit
3. 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 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine's oil and filter shall be changed every 1,440 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The engine's spark plugs shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. The engine's hoses and belts shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records that include any information necessary to demonstrate compliance with 40 CFR 63, ZZZZ. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of the operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of the action(s) taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning operation and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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



11. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 40 CFR 63, ZZZZ] Federally Enforceable Through Title V Permit
13. In order to ensure compliance with the requirements of District Rule 4702, Authority to Construct (ATC) C-6927-3-1 shall be fully implemented within twelve months of the finalized Title V permit renewal for this facility. [District Rules 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-4-2

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS -FIRED POWERING AN AGRICULTURAL PUMP (22-7)

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rule 4801] Federally Enforceable Through Title V Permit
3. 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 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine's oil and filter shall be changed every 1,440 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The engine's spark plugs shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. The engine's hoses and belts shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records that include any information necessary to demonstrate compliance with 40 CFR 63, ZZZZ. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of the operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of the action(s) taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning operation and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MADDOX FARMS

Location: 12863 W KAMM, RIVERDALE, CA 93656-9735

C-6927-4-2 Oct 28 2014 8:15AM - REFUELED

11. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 40 CFR 63, ZZZZ] Federally Enforceable Through Title V Permit
13. In order to ensure compliance with the requirements of District Rule 4702, Authority to Construct (ATC) C-6927-4-1 shall be fully implemented within twelve months of the finalized Title V permit renewal for this facility. [District Rules 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-6-2

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP (16-2)

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rule 4801] Federally Enforceable Through Title V Permit
3. 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 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine's oil and filter shall be changed every 1,440 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The engine's spark plugs shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. The engine's hoses and belts shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records that include any information necessary to demonstrate compliance with 40 CFR 63, ZZZZ. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of the operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of the action(s) taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning operation and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
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11. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 40 CFR 63, ZZZZ] Federally Enforceable Through Title V Permit
13. In order to ensure compliance with the requirements of District Rule 4702, Authority to Construct (ATC) C-6927-6-1 shall be fully implemented within twelve months of the finalized Title V permit renewal for this facility. [District Rules 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-7-3

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP (16-4)

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rule 4801] Federally Enforceable Through Title V Permit
3. 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 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine's oil and filter shall be changed every 1,440 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The engine's spark plugs shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. The engine's hoses and belts shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records that include any information necessary to demonstrate compliance with 40 CFR 63, ZZZZ. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of the operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of the action(s) taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning operation and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MADDOX FARMS

Location: 12863 W KAMM, RIVERDALE, CA 93658-9735

C-6927-7-3 Oct 28 2014 8 15AM - REFUEZJ

11. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 40 CFR 63, ZZZZ] Federally Enforceable Through Title V Permit
13. In order to ensure compliance with the requirements of District Rule 4702, Authority to Construct (ATC) C-6927-7-2 shall be fully implemented within twelve months of the finalized Title V permit renewal for this facility. [District Rules 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-8-2

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP (18-2)

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rule 4801] Federally Enforceable Through Title V Permit
3. 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 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine's oil and filter shall be changed every 1,440 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The engine's spark plugs shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. The engine's hoses and belts shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records that include any information necessary to demonstrate compliance with 40 CFR 63, ZZZZ. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of the operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of the action(s) taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning operation and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MADDOX FARMS

Location: 12863 W KAMM, RIVERDALE, CA 93856-9735

C-6927-8-2 Oct 28 2014 8 15AM - REFUEZJ



11. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 40 CFR 63, ZZZZ] Federally Enforceable Through Title V Permit
13. In order to ensure compliance with the requirements of District Rule 4702, Authority to Construct (ATC) C-6927-8-1 shall be fully implemented within twelve months of the finalized Title V permit renewal for this facility. [District Rules 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-9-2

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP (19-2)

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rule 4801] Federally Enforceable Through Title V Permit
3. 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 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine's oil and filter shall be changed every 1,440 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The engine's spark plugs shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. The engine's hoses and belts shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records that include any information necessary to demonstrate compliance with 40 CFR 63, ZZZZ. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of the operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of the action(s) taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning operation and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MADDOX FARMS

Location: 12863 W KAMM, RIVERDALE, CA 93656-9735

C-6927-9-2 Oct 28 2014 8:15AM - REFUELED

11. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 40 CFR 63, ZZZZ] Federally Enforceable Through Title V Permit
13. In order to ensure compliance with the requirements of District Rule 4702, Authority to Construct (ATC) C-6927-9-1 shall be fully implemented within twelve months of the finalized Title V permit renewal for this facility. [District Rules 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-10-2

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP (12-9)

## 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] Federally Enforceable Through Title V Permit
2. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rule 4801] Federally Enforceable Through Title V Permit
3. 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 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine's oil and filter shall be changed every 1,440 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The engine's spark plugs shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. The engine's hoses and belts shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records that include any information necessary to demonstrate compliance with 40 CFR 63, ZZZZ. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of the operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of the action(s) taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning operation and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

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

11. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 40 CFR 63, ZZZZ] Federally Enforceable Through Title V Permit
13. In order to ensure compliance with the requirements of District Rule 4702, Authority to Construct (ATC) C-6927-10-1 shall be fully implemented within twelve months of the finalized Title V permit renewal for this facility. [District Rules 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-14-2

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

250 BHP CUMMINS MODEL GTA12 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP (18-5)

## 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] Federally Enforceable Through Title V Permit
2. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rule 4801] Federally Enforceable Through Title V Permit
3. 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 Subpart ZZZZ] Federally Enforceable Through Title V Permit
4. The engine shall be in full compliance with 40 CFR Part 63, Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines). [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
5. The engine's oil and filter shall be changed every 1,440 hours of operation or every 12 months, whichever comes first. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
6. The engine's spark plugs shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
7. The engine's hoses and belts shall be inspected every 1,440 hours of operation or every 12 months, whichever comes first, and replaced as necessary. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
8. The permittee shall maintain monthly records that include any information necessary to demonstrate compliance with 40 CFR 63, ZZZZ. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
9. The permittee shall maintain monthly records of all performance tests and required maintenance performed on the air pollution control and monitoring equipment. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
10. The permittee shall maintain monthly records of the occurrence and duration of each malfunction of the operation (i.e., process equipment) or the air pollution control and monitoring equipment. The permittee shall also maintain monthly records of the action(s) taken during periods of malfunction to minimize emissions in accordance with §63.6605(b), including corrective actions to restore malfunctioning operation and air pollution control and monitoring equipment to its normal or usual manner of operation. [District Rule 1070 and 40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

Facility Name: MADDOX FARMS

Location: 12863 W KAMM, RIVERDALE, CA 93658-9735

C-6927-14-2 Oct 28 2014 8:15AM - REFUEZJ

11. The permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d of Subpart ZZZZ. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine. [40 CFR 63 Subpart ZZZZ] Federally Enforceable Through Title V Permit
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 40 CFR 63, ZZZZ] Federally Enforceable Through Title V Permit
13. In order to ensure compliance with the requirements of District Rule 4702, Authority to Construct (ATC) C-6927-14-1 shall be fully implemented within twelve months of the finalized Title V permit renewal for this facility. [District Rules 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-21-1

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 174 BHP CUMMINS MODEL B 5.9 TIER 2 DIESEL-FIRED IC ENGINE (S/N 46345202) POWERING AN 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 Rule 4701] Federally Enforceable Through Title V Permit
2. Emissions from this unit shall not exceed any of the following limits: 4.7 g-NOx/bhp-hr, 0.2 g-VOC/bhp-hr, or 3.7 g-CO/bhp-hr. [District Rule 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
3. PM10 emissions shall not exceed 0.22 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 4102, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
4. 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 93116] Federally Enforceable Through Title V Permit
5. 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. [40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
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] 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 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
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] 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] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE  
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12. This Tier 2 engine shall be replaced by a Tier 4 engine by 1/1/2015 or 12 years after the original installation date, but not later than 6/1/2018. An Authority to Construct (ATC) application for the replacement shall be submitted to the District no later than 6 months prior to the replacement date. [District Rule 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-22-1

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711223, UNIT #6)  
POWERING AN 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 Rule 4701] Federally Enforceable Through Title V Permit
2. Emissions from this unit shall not exceed any of the following limits: 2.7 g-NOx/bhp-hr, 0.12 g-VOC/bhp-hr, or 1.2 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
3. PM10 emissions shall not exceed 0.13 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
4. 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 93116] Federally Enforceable Through Title V Permit
5. This engine shall not be operated at one location or site at a facility for 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 Rule 2201, 40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
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] 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 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
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] 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] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-23-1

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46700122, UNIT #7)  
POWERING AN 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 Rule 4701] Federally Enforceable Through Title V Permit
2. Emissions from this unit shall not exceed any of the following limits: 2.7 g-NOx/bhp-hr, 0.12 g-VOC/bhp-hr, or 1.2 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
3. PM10 emissions shall not exceed 0.13 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
4. 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 93116] Federally Enforceable Through Title V Permit
5. This engine shall not be operated at one location or site at a facility for 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 Rule 2201, 40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
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] 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 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
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] 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] 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-6927-24-1

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711055, UNIT #4)  
POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. Emissions from this unit shall not exceed any of the following limits: 2.7 g-NOx/bhp-hr, 0.12 g-VOC/bhp-hr, or 1.2 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
3. PM10 emissions shall not exceed 0.13 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
4. 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 93116] Federally Enforceable Through Title V Permit
5. This engine shall not be operated at one location or site at a facility for 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 Rule 2201, 40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
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] 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 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
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] 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] Federally Enforceable Through Title V Permit

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-25-1

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711097, UNIT #5)  
POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. Emissions from this unit shall not exceed any of the following limits: 2.7 g-NOx/bhp-hr, 0.12 g-VOC/bhp-hr, or 1.2 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
3. PM10 emissions shall not exceed 0.13 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
4. 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 93116] Federally Enforceable Through Title V Permit
5. This engine shall not be operated at one location or site at a facility for 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 Rule 2201, 40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
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] 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 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
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] 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] 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-6927-26-1

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711132, UNIT #8)  
POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. Emissions from this unit shall not exceed any of the following limits: 2.7 g-NO<sub>x</sub>/bhp-hr, 0.12 g-VOC/bhp-hr, or 1.2 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
3. PM<sub>10</sub> emissions shall not exceed 0.13 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116] Federally Enforceable Through Title V Permit
4. 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 93116] Federally Enforceable Through Title V Permit
5. This engine shall not be operated at one location or site at a facility for 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 Rule 2201, 40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116] Federally Enforceable Through Title V Permit
6. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702] Federally Enforceable Through Title V Permit
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] 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 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
10. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] 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] 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-6927-33-1

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

260 BHP CUMMINS MODEL 8.3 TIER 3 DIESEL-FIRED IC ENGINE (S/N 73163852, UNIT 17-3) POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. Emissions from this IC engine shall not exceed any of the following limits: 2.83 g-NOx/bhp-hr, 1.30 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rule 2201 and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
3. 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 Rule 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. 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] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational nonresettable elapsed time meter with a minimum display capability of 9,999 hours. [District Rule 4702 and 17 CCR 93115] 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 and 40 CFR Part 60 Subpart IIII] 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 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
9. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-34-1

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

335 BHP CUMMINS MODEL QSM11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 3527738, UNIT 21-3) POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. Emissions from this IC engine shall not exceed any of the following limits: 2.66 g-NO<sub>x</sub>/bhp-hr, 0.67 g-CO/bhp-hr, or 0.17 g-VOC/bhp-hr. [District Rule 2201 and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
3. Emissions from this IC engine shall not exceed 0.07 g-PM<sub>10</sub>/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. 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] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational nonresettable elapsed time meter with a minimum display capability of 9,999 hours. [District Rule 4702 and 17 CCR 93115] 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 and 40 CFR Part 60 Subpart IIII] 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 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
9. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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



# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-35-1

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

360 BHP CUMMINS MODEL QSM-11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 35277331, UNIT 17-7) POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. Emissions from this IC engine shall not exceed any of the following limits: 2.66 g-NOx/bhp-hr, 0.67 g-CO/bhp-hr, or 0.17 g-VOC/bhp-hr. [District Rule 2201 and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
3. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. 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] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational nonresettable elapsed time meter with a minimum display capability of 9,999 hours. [District Rule 4702 and 17 CCR 93115] 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 and 40 CFR Part 60 Subpart IIII] 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 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
9. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-36-2

**EXPIRATION DATE:** 12/31/2018

**EQUIPMENT DESCRIPTION:**

360 BHP CUMMINS MODEL QSM-11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 35277330, UNIT 18-18) POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

---

1. 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
2. Emissions from this IC engine shall not exceed any of the following limits: 2.66 g-NOx/bhp-hr, 0.67 g-CO/bhp-hr, or 0.17 g-VOC/bhp-hr. [District Rule 2201 and 4702, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
3. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201 and 4102, and 17 CCR 93115 and 40 CFR Part 60 Subpart IIII] Federally Enforceable Through Title V Permit
4. 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] Federally Enforceable Through Title V Permit
5. This engine shall be equipped with an operational nonresettable elapsed time meter with a minimum display capability of 9,999 hours. [District Rule 4702 and 17 CCR 93115] 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 and 40 CFR Part 60 Subpart IIII] 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 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
9. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
10. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702] Federally Enforceable Through Title V Permit

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

# Attachment A

## Detailed Permit Listing

**Detailed Facility Report**  
For Facility=6927 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

8/21/14

11:16 am

<b>MADDOX FARMS</b>	<b>FAC #</b>	<b>C 6927</b>	<b>TYPE:</b>	<b>TitleV</b>	<b>EXPIRE ON:</b>	<b>12/31/2017</b>
<b>12863 W KAMM</b>	<b>STATUS:</b>	<b>A</b>	<b>TOXIC ID:</b>		<b>AREA:</b>	<b>5 /</b>
<b>RIVERDALE, CA 93656-9736</b>	<b>TELEPHONE:</b>				<b>INSP. DATE:</b>	<b>10/12</b>

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-6927-2-0	200 hp	3020-10 C	1	240.00	240.00	A	200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE PDWERING AN AGRICULTURAL PUMP. (22-2)
C-6927-3-0	200 hp	3020-10 C	1	240.00	240.00	A	200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (22-6)
C-6927-4-0	200 hp	3020-10 C	1	240.00	240.00	A	200 BHP CUMMINS MODEL G855 NATURAL GAS -FIRED POWERING AN AGRICULTURAL PUMP. (22-7)
C-6927-6-0	200 hp	3020-10 C	1	240.00	240.00	A	200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (16-2)
C-6927-7-0	200 hp	3020-10 C	1	240.00	240.00	A	200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (16-4)
C-6927-8-0	200 hp	3020-10 C	1	240.00	240.00	A	200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (18-2)
C-6927-9-0	200 hp	3020-10 C	1	240.00	240.00	A	200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (19-2)
C-6927-10-0	200 hp	3020-10 C	1	240.00	240.00	A	200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (12-9)
C-6927-14-0	250 hp	3020-10 C	1	240.00	240.00	A	250 BHP CUMMINS MODEL GTA12 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (18-5)
C-6927-21-0	174 BHP	3020-10 B	1	117.00	117.00	A	TRANSPDRTABLE 174 BHP CUMMINS MDDEL B 5.9 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP
C-6927-22-0	190 BHP	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711223, UNIT #6) PDWERING AN AGRICULTURAL IRRIGATION PUMP
C-6927-23-0	190 BHP	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46700122, UNIT #7) POWERING AN AGRICULTURAL IRRIGATION PUMP
C-6927-24-0	190 BHP	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 190 BHP CUMMINS MDDEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711055, UNIT #4) POWERING AN AGRICULTURAL IRRIGATION PUMP
C-6927-25-0	190 BHP	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 190 BHP CUMMINS MDDEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711097, UNIT #5) POWERING AN AGRICULTURAL IRRIGATION PUMP
C-6927-26-0	190 BHP	3020-10 B	1	117.00	117.00	A	TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711132, UNIT #8) POWERING AN AGRICULTURAL IRRIGATION PUMP

**Detailed Facility Report**  
For Facility=6927 and excluding Deleted Permits  
Sorted by Facility Name and Permit Number

8/21/14  
11:16 am

PERMIT NUMBER	FEE DESCRIPTION	FEE RULE	QTY	FEE AMOUNT	FEE TOTAL	PERMIT STATUS	EQUIPMENT DESCRIPTION
C-6927-33-0	260 BHP	3020-10 C	1	240.00	240.00	A	260 BHP CUMMINS MODEL 8.3 TIER 3 DIESEL-FIRED IC ENGINE (S/N 73163852, UNIT 17-3) POWERING AN AGRICULTURAL IRRIGATION PUMP
C-6927-34-0	335 BHP	3020-10 C	1	240.00	240.00	A	335 BHP CUMMINS MODEL QSM11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 3527738, UNIT 21-3) POWERING AN AGRICULTURAL IRRIGATION PUMP
C-6927-35-0	360 BHP	3020-10 C	1	240.00	240.00	A	360 BHP CUMMINS MODEL QSM-11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 35277331, UNIT 17-7) POWERING AN AGRICULTURAL IRRIGATION PUMP
C-6927-36-0	360 BHP	3020-10 C	1	240.00	240.00	A	360 BHP CUMMINS MODEL QSM-11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 35277330, UNIT 18-18) POWERING AN AGRICULTURAL IRRIGATION PUMP

Number of Facilities Reported: 1

**Attachment B**

**Previous District PTO**

# San Joaquin Valley Air Pollution Control District

**FACILITY:** C-6927-0-0

**EXPIRATION DATE:** 12/31/2017

## **FACILITY-WIDE REQUIREMENTS**

---

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: MADDOX FARMS  
Location: 12863 W KAMM, RIVERDALE, CA 93856-9735  
C-6927-0-0 Aug 20 2014 2:25PM - GARCIAJ

San Joaquin Valley  
Air Pollution Control District

**PERMIT UNIT:** C-6927-2-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (22-2)

**PERMIT UNIT REQUIREMENTS**

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 & 4702]

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



San Joaquin Valley  
Air Pollution Control District

**PERMIT UNIT:** C-6927-3-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (22-6)

**PERMIT UNIT REQUIREMENTS**

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 & 4702]

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

San Joaquin Valley  
Air Pollution Control District

**PERMIT UNIT:** C-6927-4-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS -FIRED POWERING AN AGRICULTURAL PUMP. (22-7)

**PERMIT UNIT REQUIREMENTS**

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 & 4702]

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

San Joaquin Valley  
Air Pollution Control District

**PERMIT UNIT:** C-6927-6-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (16-2)

**PERMIT UNIT REQUIREMENTS**

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 & 4702]

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

San Joaquin Valley  
Air Pollution Control District

**PERMIT UNIT:** C-6927-7-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (16-4)

**PERMIT UNIT REQUIREMENTS**

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 & 4702]

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

San Joaquin Valley  
Air Pollution Control District

**PERMIT UNIT:** C-6927-8-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (18-2)

**PERMIT UNIT REQUIREMENTS**

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 & 4702]

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

San Joaquin Valley  
Air Pollution Control District

**PERMIT UNIT:** C-6927-9-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (19-2)

**PERMIT UNIT REQUIREMENTS**

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 & 4702]

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

San Joaquin Valley  
Air Pollution Control District

**PERMIT UNIT:** C-6927-10-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

200 BHP CUMMINS MODEL G855 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (12-9)

**PERMIT UNIT REQUIREMENTS**

---

- I. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 & 4702]

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

San Joaquin Valley  
Air Pollution Control District

**PERMIT UNIT:** C-6927-14-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

250 BHP CUMMINS MODEL GTA12 NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL PUMP. (18-5)

**PERMIT UNIT REQUIREMENTS**

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 & 4702]

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



San Joaquin Valley  
Air Pollution Control District

**PERMIT UNIT:** C-6927-21-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 174 BHP CUMMINS MODEL B 5.9 DIESEL-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP

**PERMIT UNIT REQUIREMENTS**

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701 and 4702]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-22-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711223, UNIT #6)  
POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701]
2. This engine shall not be operated for more than 5,000 hours per calendar year. [District Rule 2201]
3. Emissions from this unit shall not exceed any of the following limits: 2.7 g-NOx/bhp-hr, 0.12 g-VOC/bhp-hr, or 1.2 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116]
4. PM10 emissions shall not exceed 0.13 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116]
5. 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]
6. This engine shall not be operated at one location or site at a facility for 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 Rule 2201, 40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116]
7. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
8. 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]
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 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]
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-23-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46700122, UNIT #7)  
POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701]
2. This engine shall not be operated for more than 5,000 hours per calendar year. [District Rule 2201]
3. Emissions from this unit shall not exceed any of the following limits: 2.7 g-NOx/bhp-hr, 0.12 g-VOC/bhp-hr, or 1.2 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116]
4. PM10 emissions shall not exceed 0.13 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116]
5. 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]
6. This engine shall not be operated at one location or site at a facility for 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 Rule 2201, 40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116]
7. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
8. 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]
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 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]
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-24-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711055, UNIT #4)  
POWERING AN AGRICULTURAL IRRIGATION PUMP

## PERMIT UNIT REQUIREMENTS

---

1. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rule 4701]
2. This engine shall not be operated for more than 5,000 hours per calendar year. [District Rule 2201]
3. Emissions from this unit shall not exceed any of the following limits: 2.7 g-NOx/bhp-hr, 0.12 g-VOC/bhp-hr, or 1.2 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116]
4. PM10 emissions shall not exceed 0.13 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116]
5. 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]
6. This engine shall not be operated at one location or site at a facility for 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 Rule 2201, 40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116]
7. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
8. 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]
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 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]
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-25-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711097, UNIT #5)  
POWERING AN 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 Rule 4701]
2. This engine shall not be operated for more than 5,000 hours per calendar year. [District Rule 2201]
3. Emissions from this unit shall not exceed any of the following limits: 2.7 g-NOx/bhp-hr, 0.12 g-VOC/bhp-hr, or 1.2 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116]
4. PM10 emissions shall not exceed 0.13 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4102, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116]
5. 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]
6. This engine shall not be operated at one location or site at a facility for 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 Rule 2201, 40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116]
7. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
8. 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]
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 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]
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-26-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 190 BHP CUMMINS MODEL QSB 6.7 TIER 3 DIESEL-FIRED IC ENGINE (S/N 46711132, UNIT #8)  
POWERING AN 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 Rule 4701]
2. This engine shall not be operated for more than 5,000 hours per calendar year. [District Rule 2201]
3. Emissions from this unit shall not exceed any of the following limits: 2.7 g-NO<sub>x</sub>/bhp-hr, 0.12 g-VOC/bhp-hr, or 1.2 g-CO/bhp-hr. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116]
4. PM10 emissions shall not exceed 0.13 g/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rules 2201 and 4702, 40 CFR Part 89, 13 CCR 2423, and 17 CCR 93116]
5. 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]
6. This engine shall not be operated at one location or site at a facility for 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 Rule 2201, 40 CFR Part 89, 13 CCR 2421, and 17 CCR 93116]
7. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
8. 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]
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 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]
11. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
12. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702]

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-33-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

260 BHP CUMMINS MODEL 8.3 TIER 3 DIESEL-FIRED IC ENGINE (S/N 73163852, UNIT 17-3) POWERING AN 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 Rule 4701]
2. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
3. Operation of this engine shall not exceed 5,000 hours per year. [District Rule 2201]
4. Emissions from this IC engine shall not exceed any of the following limits: 2.83 g-NOx/bhp-hr, 1.30 g-CO/bhp-hr, or 0.15 g-VOC/bhp-hr. [District Rule 2201 and 4702, and 17 CCR 93115]
5. 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 Rule 2201 and 4102, 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 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]
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]

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-34-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

335 BHP CUMMINS MODEL QSM11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 3527738, UNIT 21-3) POWERING AN 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 Rule 4701]
2. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
3. Operation of this engine shall not exceed 5,000 hours per year. [District Rule 2201]
4. Emissions from this IC engine shall not exceed any of the following limits: 2.66 g-NOx/bhp-hr, 0.67 g-CO/bhp-hr, or 0.17 g-VOC/bhp-hr. [District Rule 2201 and 4702, and 17 CCR 93115]
5. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201 and 4702, 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 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]
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]

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-35-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

360 BHP CUMMINS MODEL QSM-11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 35277331, UNIT 17-7) POWERING AN 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 Rule 4701]
2. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
3. Operation of this engine shall not exceed 5,000 hours per year. [District Rule 2201]
4. Emissions from this IC engine shall not exceed any of the following limits: 2.66 g-NOx/bhp-hr, 0.67 g-CO/bhp-hr, or 0.17 g-VOC/bhp-hr. [District Rule 2201 and 4702, and 17 CCR 93115]
5. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201 and 4102, 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 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]
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]

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# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-6927-36-0

**EXPIRATION DATE:** 12/31/2017

**EQUIPMENT DESCRIPTION:**

360 BHP CUMMINS MODEL QSM-11 TIER 3 DIESEL-FIRED IC ENGINE (S/N 35277330, UNIT 18-18) POWERING AN 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 Rule 4701]
2. This engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
3. Operation of this engine shall not exceed 5,000 hours per year. [District Rule 2201]
4. Emissions from this IC engine shall not exceed any of the following limits: 2.66 g-NOx/bhp-hr, 0.67 g-CO/bhp-hr, or 0.17 g-VOC/bhp-hr. [District Rule 2201 and 4702, and 17 CCR 93115]
5. Emissions from this IC engine shall not exceed 0.07 g-PM10/bhp-hr based on US EPA certification using ISO 8178 test procedure. [District Rule 2201 and 4102, 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 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]
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]

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# Attachment C

## Public Comments and District Responses

## **Public Comments/District Response**

Julia Maddox Chow on behalf of Maddox Farms provided public comments regarding the District's analysis and preliminary decision.

### **PUBLIC COMMENT**

The annual hour limits on permits C-6927-22-1 through -36-2 were improperly imposed and should be removed.

### **DISTRICT RESPONSE**

The District reviewed the annual hour limits on the subject permits and the permitting history of how they were established and concurs that the limits were improperly imposed. The annual hour limits were established during the issuance of an Authority to Construct for a routine replacement of an engine that was originally permitted during an Initial Farm/Inhouse PTO permitting action. The Initial Farm/Inhouse PTO did not have annual hour limits; therefore, pursuant to District Policy, the annual hour limits on the current permits were imposed improperly and have been administratively removed. The changes made did not significantly impact the preliminary public notice or the CAM compliance section; therefore, republishing the preliminary decision is not required. The amended permits are included in this final notice package.