



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

OCT 23 2012

Larry Osborne  
Madera Power LLC  
PO Box 305  
Firebaugh, CA 93622-0305

**Re: Notice of Minor Title V Permit Modification  
District Facility # C-799  
Project # C-1123169**

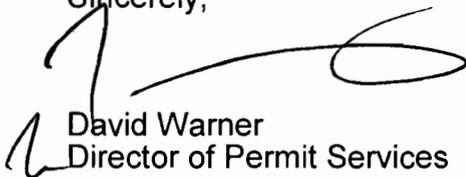
Dear Mr. Osborne:

Enclosed is the District's analysis of your application for minor Title V permit modification for the facility identified above. You proposed a Title V minor permit modification to incorporate recently issued C-799-8-7 into the Title V operating permit. The facility is proposing a routine replacement of the 315 bhp John Deere model 6068HF485 S/N PE6068L109213 tier 3 diesel-fired internal combustion engine powering a screening operation with a 315 bhp John Deere model 6068HF485T S/N PE6068L001281X tier 3 diesel-fired internal combustion engine.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued C-799-8-7, emission increases, application, and previous Title V permit. This project will be subject to a 45-day EPA commenting period prior to the District taking final action.

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

Sincerely,



David Warner  
Director of Permit Services

Enclosures

**Seyed Sadredin**

Executive Director/Air Pollution Control Officer

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**Northern Region**

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

**Central Region (Main Office)**

1990 E. Gettysburg Avenue  
Fresno, CA 93726-0244  
Tel: (559) 230-6000 FAX: (559) 230-6061  
[www.valleyair.org](http://www.valleyair.org)

**Southern Region**

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



# San Joaquin Valley

AIR POLLUTION CONTROL DISTRICT

OCT 23 2012

Gerardo C. Rios, Chief  
Permits Office  
Air Division  
U.S. EPA - Region IX  
75 Hawthorne St  
San Francisco, CA 94105

Re: **Notice of Minor Title V Permit Modification**  
**District Facility # C-799**  
**Project # C-1123169**

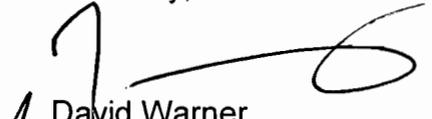
Dear Mr. Rios:

Enclosed for you to review is an application for minor Title V permit modification for the facility identified above. Madera Power LLC is proposing a Title V minor permit modification to incorporate the recently issued C-799-8-7 into the Title V operating permit. The facility is proposing a routine replacement of the 315 bhp John Deere model 6068HF485 S/N PE6068L109213 tier 3 diesel-fired internal combustion engine powering a screening operation with a 315 bhp John Deere model 6068HF485T S/N PE6068L001281X tier 3 diesel-fired internal combustion engine.

Enclosed is the engineering evaluation with the following attachments: proposed modified Title V permit, recently issued C-799-8-7, emission increases, application, and previous Title V permit. Please submit your written comments on this project within the 45-day comment period that begins on the date you receive this letter.

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

Sincerely,



David Warner  
Director of Permit Services

Enclosures

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

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# TITLE V APPLICATION REVIEW

Minor Modification  
Project #: C-1123169

Engineer: Juscelino Siongco  
Date: October 15, 2012

Facility Number: C-799  
Facility Name: Madera Power, LLC  
Mailing Address: PO Box 305  
Firebaugh, CA 93622-0305

Contact Name: Larry Osborne  
Phone: (559) 659-4791

Responsible Official: Larry Osborne  
Title: General Manager

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## I. PROPOSAL

Madera Power, LLC is proposing a Title V minor permit modification to incorporate the recently issued C-799-8-7 into the Title V operating permit. The facility is proposing a routine replacement of the 315 bhp John Deere model 6068HF485 S/N PE6068L109213 tier 3 diesel-fired internal combustion engine powering a screening operation with a 315 bhp John Deere model 6068HF485T S/N PE6068L001281X tier 3 diesel-fired internal combustion engine.

The purpose of this evaluation is to identify all applicable requirements, determine if the facility will comply with the applicable requirements and to provide the legal and factual basis for the proposed revisions.

## II. FACILITY LOCATION

11427 Firebaugh Blvd, Firebaugh, CA 93622

## III. EQUIPMENT DESCRIPTION

**C-799-8-8:** TRANSPORTABLE 315 BHP JOHN DEERE MODEL 6068HF485T  
S/N PE6068L001281X TIER 3 DIESEL-FIRED IC ENGINE  
POWERING SCREENING OPERATIONS LISTED IN PERMITS C-  
799-6 OR S-285-10

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

This change to a Title V permit is considered to be a minor modification and, as such, requires no public review.

#### **V. APPLICABLE REQUIREMENTS**

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

#### **VI. DESCRIPTION OF PROPOSED MODIFICATIONS**

Madera Power, LLC is a routine replacement of the 315 bhp John Deere model 6068HF485 S/N PE6068L109213 tier 3 diesel-fired internal combustion engine powering a screening operation with a 315 bhp John Deere model 6068HF485T S/N PE6068L001281X tier 3 diesel-fired internal combustion engine.

##### C-799-8-8:

Permit conditions 1 through 7 on the current Permit to Operate were included as conditions 1 through 7 on the proposed Permit to Operate.

Permit condition 8 on the current Permit to Operate was revised with the annual operating hours reduced from 1,359 hours per year to 1,207 hours per year and included as condition 9 on the proposed Permit to Operate.

Permit condition 10 was added to the proposed Permit to Operate to limit the daily operating hours to 21 hours in any one day.

Permit conditions 9 through 23 on the current Permit to Operate were included as conditions 10 through 24 on the proposed Permit to Operate.

#### **VII. COMPLIANCE**

In accordance with Rule 2520, 3.20, these modifications:

1. Do not violate requirements of any applicable federally enforceable local or federal requirement;
2. Do not relax monitoring, reporting, or recordkeeping requirements in the permit and are not significant changes in existing monitoring permit terms or conditions;

3. Do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impacts, or a visibility or increment analysis;
4. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include;
  - a. A federally enforceable emission cap assumed to avoid classification as a modification under any provisions of Title I of the Federal Clean Air Act; and
  - b. An alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Federal Clean Air Act; and
5. Are not Title I modifications as defined in District Rule 2520 or modifications as defined in section 111 or 112 of the Federal Clean Air Act; and
6. Do not seek to consolidate overlapping applicable requirements.

In accordance with Rule 2520, the application meets the procedural requirements of section 11.4 by including;

1. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs;
2. The source's suggested draft permit; and
3. Certification by a responsible official that the proposed modification meets the criteria for use of minor permit modification procedures and a request that such procedures be used.

## **VIII. ATTACHMENTS**

- A. Proposed Modified Title V Operating Permit No. C-799-8-8
- B. Authorities to Construct No. C-799-8-7
- C. Emissions Increases
- D. Application
- E. Previous Title V Operating Permit No. C-799-8-2

# ATTACHMENT A

Proposed Modified Title V Operating Permit No.  
(C-799-8-8)

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-799-8-8

**EXPIRATION DATE:** 05/31/2012

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 315 BHP JOHN DEERE MODEL 6068HF485T S/N PE6068L001281X TIER 3 DIESEL-FIRED IC ENGINE POWERING SCREENING OPERATIONS LISTED IN PERMITS C-799-6 OR S-285-10

## PERMIT UNIT REQUIREMENTS

1. Specific Limiting Condition (SLC) limiting the annual emissions from the fuel handling listed under permit C-799-1, boiler/generator listed under permit C-799-3, the screening operation listed under permit C-799-6, the grinding operation listed under permit C-799-7 and the transportable IC engine listed under permit C-799-8 calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: 417,600 lb-NOx/year, 54,000 lb-SOx/year, 83,520 lb-PM10/year, 501,120 lb-CO/year, or 200,448 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit
2. When operating at facility S-285, annual emissions from the boiler/generator listed under permit S-285-2-6 and the transportable IC engine listed under permit C-799-8 calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: 140,880 lb-NOx/year, 78,200 lb-SOx/year, 45,420 lb-PM10/year, 498,000 lb-CO/year, or 104,800 lb-VOC/year. [District Rule 2201] Federally Enforceable Through Title V Permit
3. This transportable engine shall be only operated at the facilities C-799 and S-285. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall notify the District Compliance Division every time the engine is moved to a new location for more than 24 hours. Such notification shall be made within 48 hours after the engine is moved [District Rule 1070] 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. [District Rule 2201 and 13 CCR 2421 and 17 CCR 93116] Federally Enforceable Through Title V Permit
6. {1898} The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
7. The engine shall not operate within 5000 feet of the nearest receptor when operating at facility C-799. [District Rule 4201] Federally Enforceable Through Title V Permit
8. Operation of the engine shall not exceed 21 hours in any one day. [District Rule 2201] Federally Enforceable Through Title V Permit
9. Operation of the engine shall not exceed 1207 hours per calendar year when operating at facility C-799 (this limit is to enforce the zero equivalency threshold for greenhouse gas emission). [District Rules 2201 and 4702 and 17 CCR 93116 and California Environmental Quality Act] Federally Enforceable Through Title V Permit
10. The engine shall not operate within 750 feet of the nearest receptor when operating at facility S-258. [District Rule 4201] Federally Enforceable Through Title V Permit
11. Operation of the engine shall not exceed 500 hours per calendar year when operating at facility S-258. [District Rules 2201 and 4702 and 17 CCR 93116] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit
13. Emissions from this IC engine shall not exceed any of the following limits: 2.37 g-NO<sub>x</sub>/bhp-hr, 0.45 g-CO/bhp-hr, or 0.17 g-VOC/bhp-hr. [District Rule 2201 and 40 CFR Part 89 and 13 CCR 2423 and 17 CCR 93116] Federally Enforceable Through Title V Permit
14. Emissions from this IC engine shall not exceed 0.08 g-PM<sub>10</sub>/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rule 2201 and 4102 and 40 CFR Part 89 and 13 CCR 2423 and 17 CCR 93116] Federally Enforceable Through Title V Permit
15. 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] Federally Enforceable Through Title V Permit
16. The 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
17. 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
18. 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
19. The permittee shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
20. The permittee shall maintain records of each location where the engine is operated, including dates and duration of residency at each location, and shall update those records each time the engine is moved. [District Rule 2201 and 17 CCR 93116] Federally Enforceable Through Title V Permit
21. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 18, 25A or 25B, or ARB Method 100. [District Rules 1081, 4701, and 4702] Federally Enforceable Through Title V Permit
22. The permittee shall record the total time the engine operates at each facility, in hours per day and per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
23. For each unit subject to the Specific Limiting Condition (SLC), the permittee shall maintain all necessary records in order to show compliance with the annual SLC limits. [District Rule 2201] Federally Enforceable Through Title V Permit
24. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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

# ATTACHMENT B

Authorities to Construct No.  
(C-799-8-7)



## AUTHORITY TO CONSTRUCT

PERMIT NO: C-799-8-7

ISSUANCE DATE: 09/18/2012

LEGAL OWNER OR OPERATOR: MADERA POWER, LLC  
MAILING ADDRESS: PO BOX 305  
FIREBAUGH, CA 93622

LOCATION: 11427 FIREBAUGH BLVD  
P O BOX 305  
FIREBAUGH, CA 93622

### EQUIPMENT DESCRIPTION:

MODIFICATION OF TRANSPORTABLE 315 BHP JOHN DEERE MODEL 6068HF485 S/N PE6068L109213 TIER 3 DIESEL-FIRED IC ENGINE POWERING SCREENING OPERATIONS LISTED IN PERMITS C-799-6 OR S-285-10: REPLACE 315 BHP JOHN DEERE MODEL 6068HF485 S/N PE6068L109213 TIER 3 DIESEL-FIRED IC ENGINE WITH 315 BHP JOHN DEERE MODEL 6068HF485T S/N PE6068L001281X TIER 3 DIESEL-FIRED IC ENGINE AS A ROUTINE REPLACEMENT

## CONDITIONS

1. The facility shall submit an application to modify the Title V permit in accordance with the timeframes and procedures of District Rule 2520. [District Rule 2520] Federally Enforceable Through Title V Permit
2. Authority to Construct (ATC) C-799-8-5 shall be implemented concurrently, or prior to the modification and startup of the equipment authorized by this Authority to Construct. [District Rule 2201]
3. Specific Limiting Condition (SLC) limiting the annual emissions from the fuel handling listed under permit C-799-1, boiler/generator listed under permit C-799-3, the screening operation listed under permit C-799-6, the grinding operation listed under permit C-799-7 and the transportable IC engine listed under permit C-799-8 calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: 417,600 lb-NOx/year, 54,000 lb-SOx/year, 83,520 lb-PM10/year, 501,120 lb-CO/year, or 200,448 lb-VOC/year. [District NSR Rule]
4. When operating at facility S-285, annual emissions from the boiler/generator listed under permit S-285-2-6 and the transportable IC engine listed under permit C-799-8 calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: 140,880 lb-NOx/year, 78,200 lb-SOx/year, 45,420 lb-PM10/year, 498,000 lb-CO/year, or 104,800 lb-VOC/year. [District NSR Rule]
5. This transportable engine shall be only operated at the facilities C-799 and S-285. [District Rule 2201]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (559) 230-5950 WHEN CONSTRUCTION IS COMPLETED AND PRIOR TO OPERATING THE EQUIPMENT OR MODIFICATIONS AUTHORIZED BY THIS AUTHORITY TO CONSTRUCT. This is NOT a PERMIT TO OPERATE. Approval or denial of a PERMIT TO OPERATE will be made after an inspection to verify that the equipment has been constructed in accordance with the approved plans, specifications and conditions of this Authority to Construct, and to determine if the equipment can be operated in compliance with all Rules and Regulations of the San Joaquin Valley Unified Air Pollution Control District. Unless construction has commenced pursuant to Rule 2050, this Authority to Construct shall expire and application shall be cancelled two years from the date of issuance. The applicant is responsible for complying with all laws, ordinances and regulations of all other governmental agencies which may pertain to the above equipment.

Seyed Sadredin, Executive Director / APCO

*Martha Keast for*

DAVID WARNER, Director of Permit Services

C-799-8-7 : Sep 18 2012 2:05PM - SIONGCOU : Joint Inspection NOT Required

6. Permittee shall notify the District Compliance Division every time the engine is moved to a new location for more than 24 hours. Such notification shall be made within 48 hours after the engine is moved [District Rule 1070]
7. This engine shall be operated at one location or site at a facility for no more than 12 consecutive months, or if at a seasonal source, the engine shall not be operated at one location or site at a facility for more than the duration of the season. [District Rule 2201 and 13 CCR 2421 and 17 CCR 93116]
8. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
9. The engine shall not operate within 5000 feet of the nearest receptor when operating at facility C-799. [District Rule 4201]
10. Operation of the engine shall not exceed 21 hours in any one day. [District Rule 2201]
11. Operation of the engine shall not exceed 1207 hours per calendar year when operating at facility C-799 (this limit is to enforce the zero equivalency threshold for greenhouse gas emission). [District Rules 2201 and 4702 and 17 CCR 93116 and California Environmental Quality Act]
12. The engine shall not operate within 750 feet of the nearest receptor when operating at facility S-258. [District Rule 4201]
13. Operation of the engine shall not exceed 500 hours per calendar year when operating at facility S-258. [District Rules 2201 and 4702 and 17 CCR 93116]
14. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
15. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
16. 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]
17. Emissions from this IC engine shall not exceed any of the following limits: 2.37 g-NO<sub>x</sub>/bhp-hr, 0.45 g-CO/bhp-hr, or 0.17 g-VOC/bhp-hr. [District Rule 2201 and 40 CFR Part 89 and 13 CCR 2423 and 17 CCR 93116]
18. Emissions from this IC engine shall not exceed 0.08 g-PM<sub>10</sub>/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rule 2201 and 4102 and 40 CFR Part 89 and 13 CCR 2423 and 17 CCR 93116]
19. 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]
20. The engine shall be equipped with an operational nonresettable elapsed time meter or other APCO approved alternative. [District Rule 4702]
21. 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]
22. 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]
23. The permittee shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. [District Rule 4702]
24. The permittee shall maintain records of each location where the engine is operated, including dates and duration of residency at each location, and shall update those records each time the engine is moved. [District Rule 2201 and 17 CCR 93116]
25. The following test methods shall be used: NO<sub>x</sub> (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 18, 25A or 25B, or ARB Method 100. [District Rules 1081, 4701, and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

26. The permittee shall record the total time the engine operates at each facility, in hours per day and per calendar year. [District Rule 2201]
27. For each unit subject to the Specific Limiting Condition (SLC), the permittee shall maintain all necessary records in order to show compliance with the annual SLC limits. [District NSR Rule]
28. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115]

# ATTACHMENT C

Emissions Increases

	SSIPE (lb/yr)				
	NOx	VOC	CO	SOx	PM10
C-799-8-8	0	0	0	0	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

# ATTACHMENT D

Application



**San Joaquin Valley  
Unified Air Pollution Control District**

**TITLE V MODIFICATION - COMPLIANCE CERTIFICATION FORM**

**I. TYPE OF PERMIT ACTION (Check appropriate box)**

- SIGNIFICANT PERMIT MODIFICATION                       ADMINISTRATIVE  
 MINOR PERMIT MODIFICATION                                       AMENDMENT

COMPANY NAME: Madera Power LLC	FACILITY ID: C-799
1. Type of Organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Sole Ownership <input type="checkbox"/> Government <input type="checkbox"/> Partnership <input type="checkbox"/> Utility	
2. Owner's Name: Madera Power, LLC	
3. Agent to the Owner: Larry Osborne	

**II. COMPLIANCE CERTIFICATION (Read each statement carefully and initial all circles for confirmation):**

- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will continue to comply with the applicable federal requirement(s).
- Based on information and belief formed after reasonable inquiry, the equipment identified in this application will comply with applicable federal requirement(s) that will become effective during the permit term, on a timely basis.
- Corrected information will be provided to the District when I become aware that incorrect or incomplete information has been submitted.
- Based on information and belief formed after reasonable inquiry, information and statements in the submitted application package, including all accompanying reports, and required certifications are true accurate and complete.

I declare, under penalty of perjury under the laws of the state of California, that the foregoing is correct and true:



Signature of Responsible Official

5 October, 2012

Date

Larry Osborne  
Name of Responsible Official (please print)

General Manager  
Title of Responsible Official (please print)

# ATTACHMENT E

Previous Title V Operating Permit No.  
(C-799-8-2)

# San Joaquin Valley Air Pollution Control District

**PERMIT UNIT:** C-799-8-2

**EXPIRATION DATE:** 05/31/2012

**EQUIPMENT DESCRIPTION:**

TRANSPORTABLE 315 BHP JOHN DEERE MODEL 6068HF485T S/N PE6068L001281X TIER 3 DIESEL-FIRED IC ENGINE POWERING SCREENING OPERATIONS LISTED IN PERMITS C-799-6 OR S-285-10

## PERMIT UNIT REQUIREMENTS

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1. Specific Limiting Condition (SLC) limiting the annual emissions from the fuel handling listed under permit C-799-1, boiler/generator listed under permit C-799-3, the screening operation listed under permit C-799-6, the grinding operation listed under permit C-799-7 and the transportable IC engine listed under permit C-799-8 calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: 417,600 lb-NOx/year, 54,000 lb-SOx/year, 83,520 lb-PM10/year, 501,120 lb-CO/year, or 200,448 lb-VOC/year. [District NSR Rule] Federally Enforceable Through Title V Permit
2. When operating at facility S-285, annual emissions from the boiler/generator listed under permit S-285-2-6 and the transportable IC engine listed under permit C-799-8 calculated on a twelve consecutive month rolling basis, shall not exceed any of the following: 140,880 lb-NOx/year, 78,200 lb-SOx/year, 45,420 lb-PM10/year, 498,000 lb-CO/year, or 104,800 lb-VOC/year. [District NSR Rule] Federally Enforceable Through Title V Permit
3. This transportable engine shall be only operated at the facilities C-799 and S-285. [District Rule 2201] Federally Enforceable Through Title V Permit
4. Permittee shall notify the District Compliance Division every time the engine is moved to a new location for more than 24 hours. Such notification shall be made within 48 hours after the engine is moved [District Rule 1070] 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. [District Rule 2201 and 13 CCR 2421 and 17 CCR 93116] Federally Enforceable Through Title V Permit
6. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
7. The engine shall not operate within 5000 feet of the nearest receptor when operating at facility C-799. [District Rule 4201] Federally Enforceable Through Title V Permit
8. Operation of the engine shall not exceed 1352 hours per calendar year when operating at facility C-799 (this limit is to enforce the zero equivalency threshold for greenhouse gas emission). [District Rules 2201 and 4702 and 17 CCR 93116 and California Environmental Quality Act] Federally Enforceable Through Title V Permit
9. The engine shall not operate within 750 feet of the nearest receptor when operating at facility S-285. [District Rule 4201] Federally Enforceable Through Title V Permit
10. Operation of the engine shall not exceed 500 hours per calendar year when operating at facility S-285. [District Rules 2201 and 4702 and 17 CCR 93116] Federally Enforceable Through Title V Permit
11. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201] Federally Enforceable Through Title V Permit

PERMIT UNIT REQUIREMENTS CONTINUE ON NEXT PAGE

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

12. Emissions from this IC engine shall not exceed any of the following limits: 2.37 g-NOx/bhp-hr, 0.45 g-CO/bhp-hr, or 0.17 g-VOC/bhp-hr. [District Rule 2201 and 40 CFR Part 89 and 13 CCR 2423 and 17 CCR 93116] Federally Enforceable Through Title V Permit
13. Emissions from this IC engine shall not exceed 0.08 g-PM10/bhp-hr based on USEPA certification using ISO 8178 test procedure. [District Rule 2201 and 4102 and 40 CFR Part 89 and 13 CCR 2423 and 17 CCR 93116] Federally Enforceable Through Title V Permit
14. 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] Federally Enforceable Through Title V Permit
15. The 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
16. 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
17. 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
18. The permittee shall maintain an engine operating log to demonstrate compliance. The engine operating log shall include, on a monthly basis, the following information: total hours of operation, type of fuel used, maintenance or modifications performed, monitoring data, compliance source test results, and any other information necessary to demonstrate compliance. [District Rule 4702] Federally Enforceable Through Title V Permit
19. The permittee shall maintain records of each location where the engine is operated, including dates and duration of residency at each location, and shall update those records each time the engine is moved. [District Rule 2201 and 17 CCR 93116] Federally Enforceable Through Title V Permit
20. The following test methods shall be used: NOx (ppmv) - EPA Method 7E or ARB Method 100, CO (ppmv) - EPA Method 10 or ARB Method 100, stack gas oxygen - EPA Method 3 or 3A or ARB Method 100, and VOC (ppmv) - EPA Method 18, 25A or 25B, or ARB Method 100. [District Rules 1081, 4701, and 4702] Federally Enforceable Through Title V Permit
21. The permittee shall record the total time the engine operates at each facility, in hours per calendar year. [District Rule 2201] Federally Enforceable Through Title V Permit
22. For each unit subject to the Specific Limiting Condition (SLC), the permittee shall maintain all necessary records in order to show compliance with the annual SLC limits. [District NSR Rule] Federally Enforceable Through Title V Permit
23. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rule 4702 and 17 CCR 93115] Federally Enforceable Through Title V Permit

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