



APR 28 2016

Alex Shafer
Materra Farming Company LLC
PO Box 9308
Bakersfield, CA 93389-9308

RE: Notice of Final Action - Authority to Construct
Facility Number: S-5551
Project Number: S-1153263

Dear Mr. Shafer:

The Air Pollution Control Officer has issued the Authority to Construct permits to Materra Farming Company LLC for the installation of two 607 bhp lean burn natural gas-fired IC engines; the removal of the 20,000 lb/year Specific Limiting Condition (SLC) on CO emissions; and the addition of a facility-wide NO_x SLC of 19,999 lb/yr, at 17801 Millux Rd, Bakersfield. Enclosed are the Authority to Construct permits and a copy of the notice of final action to be published approximately three days from the date of this letter.

Notice of the District's preliminary decision to issue the Authority to Construct permits was published on March 22, 2016. The District's analysis of the proposal was also sent to CARB on March 17, 2016. No comments were received following the District's preliminary decision on this project.

Also enclosed is an invoice for the engineering evaluation fees pursuant to District Rule 3010. Please remit the amount owed, along with a copy of the attached invoice, within 60 days.

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

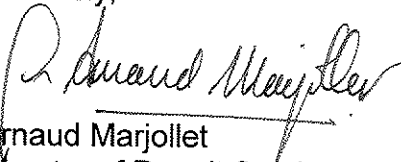
Central Region (Main Office)
1990 E. Gettysburg Avenue
Fresno, CA 93726-0244
Tel: (559) 230-6000 FAX: (559) 230-6061

Southern Region
34946 Flyover Court
Bakersfield, CA 93308-9725
Tel: 661-392-5500 FAX: 661-392-5586

Mr. Alex Shafer
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Thank you for your cooperation in this matter. If you have any questions, please contact Mr. Errol Villegas at (559) 230-6000.

Sincerely,

A handwritten signature in cursive script that reads "Arnaud Marjollet". The signature is written in black ink and is positioned above the printed name and title.

Arnaud Marjollet
Director of Permit Services

AM:sll

Enclosures

cc: Tung Le, CARB (w/enclosure) via email



Facility # S-5551
MATERRA FARMING COMPANY LLC
PO BOX 9308
BAKERSFIELD, CA 93389

AUTHORITY TO CONSTRUCT (ATC)

QUICK START GUIDE

1. **Pay Invoice:** Please pay enclosed invoice before due date.
2. **Fully Understand ATC:** Make sure you understand ALL conditions in the ATC prior to construction, modification and/or operation.
3. **Follow ATC:** You must construct, modify and/or operate your equipment as specified on the ATC. Any unspecified changes may require a new ATC.
4. **Notify District:** You must notify the District's Compliance Department, at the telephone numbers below, upon start-up and/or operation under the ATC. Please record the date construction or modification commenced and the date the equipment began operation under the ATC. You may NOT operate your equipment until you have notified the District's Compliance Department. A startup inspection may be required prior to receiving your Permit to Operate.
5. **Source Test:** Schedule and perform any required source testing. See http://www.valleyair.org/busind/comply/source_testing.htm for source testing resources.
6. **Maintain Records:** Maintain all records required by ATC. Records are reviewed during every inspection (or upon request) and must be retained for at least 5 years.

By operating in compliance, you are doing your part to improve air quality for all Valley residents.

For assistance, please contact District Compliance staff at any of the telephone numbers listed below.

Seyed Sadredin
Executive Director/Air Pollution Control Officer

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

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

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



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-1-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC
MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

SECTION: 10 **TOWNSHIP:** 32S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 241 BHP DEUTZ MODEL TCG2015V6, SN XXXXXX, EPA CERTIFIED LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 681): REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

CONDITIONS

1. Authority to Construct (ATC) S-5551-1-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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


Arnaud Marjollet, Director of Permit Services
S-5551-1-1 : Apr 26 2016 10:35AM - LOWELES : Joint Inspection NOT Required

8. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
10. The exhaust stack shall vent vertically upward. The vertical exhaust flow shall not be impeded by a rain cap (flapper ok), roof overhang, or any other obstruction. [District Rule 4102]
11. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
12. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
13. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
15. Emissions from this IC engine shall not exceed any of the following limits: 0.7 g-NO_x/bhp-hr (equivalent to 50.2 ppmvd at 15% O₂), 1.8 g-CO/bhp-hr (equivalent to 212 ppmvd at 15% O₂), 0.038 g-PM₁₀/bhp-hr, or 0.03 g-VOC/bhp-hr (equivalent to 6.2 ppmvd at 15% O₂). [District Rules 2201, 4102, and 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: lb-NO_x/month = (hours operated that month) x (0.298 lb-NO_x/hr). [District Rule 1070]
18. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
19. 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]
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-2-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

SECTION: 13 **TOWNSHIP:** 32S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 322 BHP DEUTZ MODEL TCG2015V8, SN XXXXXX, EPA CERTIFIED LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 671); REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

CONDITIONS

1. Authority to Construct (ATC) S-5551-2-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

Arnaud Marjollet, Director of Permit Services

S-5551-2-1: Apr 26 2016 10:35AM - LOWELES : Joint Inspection NOT Required

8. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
10. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
11. 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]
12. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
13. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
15. Emissions from this IC engine shall not exceed any of the following limits: 0.6 g-NO_x/bhp-hr (equivalent to 43 ppmvd at 15% O₂), 1.8 g-CO/bhp-hr (equivalent to 212 ppmvd at 15% O₂), 0.038 g-PM₁₀/bhp-hr, or 0.03 g-VOC/bhp-hr (equivalent to 6.2 ppmvd at 15% O₂). [District Rules 2201, 4102, and 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.341 \text{ lb-NO}_x/\text{hr})$. [District Rule 1070]
18. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility [District Rule 1070]
19. 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]
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-3-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

SECTION: 13 **TOWNSHIP:** 32S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 322 BHP DEUTZ MODEL TCG2015V8, SN XXXXXX, EPA CERTIFIED LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 672); REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

CONDITIONS

1. Authority to Construct (ATC) S-5551-3-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

Arnaud Marjollet
Arnaud Marjollet, Director of Permit Services
S-5551-3-1 : Apr 26 2016 10:35AM - LOWELES Joint Inspection NOT Required

8. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
10. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
11. 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]
12. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
13. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
15. Emissions from this IC engine shall not exceed any of the following limits: 0.6 g-NO_x/bhp-hr (equivalent to 43 ppmvd at 15% O₂), 1.8 g-CO/bhp-hr (equivalent to 212 ppmvd at 15% O₂), 0.038 g-PM₁₀/bhp-hr, or 0.03 g-VOC/bhp-hr (equivalent to 6.2 ppmvd at 15% O₂). [District Rules 2201, 4102, and 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times 0.341 \text{ lb-NO}_x/\text{hr}$. [District Rule 1070]
18. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
19. 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]
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-4-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC
MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

SECTION: 14 **TOWNSHIP:** 32S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 322 BHP DEUTZ MODEL TCG2015V8, SN XXXXXX, EPA CERTIFIED LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 673): REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

CONDITIONS

1. Authority to Construct (ATC) S-5551-4-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

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Arnaud Marjollet, Director of Permit Services
S-5551-4-1 : Apr 26 2016 10:35AM - LOWELES Joint Inspection NOT Required

8. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
10. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
11. 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]
12. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
13. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
15. Emissions from this IC engine shall not exceed any of the following limits: 0.6 g-NO_x/bhp-hr (equivalent to 43 ppmvd at 15% O₂), 1.8 g-CO/bhp-hr (equivalent to 212 ppmvd at 15% O₂), 0.038 g-PM₁₀/bhp-hr, or 0.03 g-VOC/bhp-hr (equivalent to 6.2 ppmvd at 15% O₂). [District Rules 2201, 4102, and 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.341 \text{ lb-NO}_x/\text{hr})$. [District Rule 1070]
18. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
19. 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]
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-5-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

SECTION: 24 **TOWNSHIP:** 32S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 322 BHP DEUTZ MODEL TCG2015V8, SN XXXXXX, EPA CERTIFIED LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 682); REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

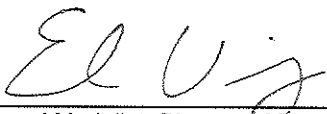
CONDITIONS

1. Authority to Construct (ATC) S-5551-5-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

for 
Arnaud Marjollet, Director of Permit Services

S-5551-5-1 : Apr 26 2016 10:35AM - LOWELES : Joint Inspection NOT Required

8. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
10. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
11. 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]
12. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
13. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
15. Emissions from this IC engine shall not exceed any of the following limits: 0.6 g-NO_x/bhp-hr (equivalent to 43 ppmvd at 15% O₂), 1.8 g-CO/bhp-hr (equivalent to 212 ppmvd at 15% O₂), 0.038 g-PM₁₀/bhp-hr, or 0.03 g-VOC/bhp-hr (equivalent to 6.2 ppmvd at 15% O₂). [District Rules 2201, 4102, and 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.341 \text{ lb-NO}_x/\text{hr})$. [District Rule 1070]
18. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
19. 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]
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-6-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

SECTION: 13 **TOWNSHIP:** 32S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 322 BHP DEUTZ MODEL TCG2015V8, SN XXXXXX, EPA CERTIFIED LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 687); REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

CONDITIONS

1. Authority to Construct (ATC) S-5551-6-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

for 

Arnaud Marjollet, Director of Permit Services

S-5551-6-1 : Apr 26 2016 10:35AM - LOVELES Joint Inspection NOT Required

8. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
10. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
11. 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]
12. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
13. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
15. Emissions from this IC engine shall not exceed any of the following limits: 0.6 g-NO_x/bhp-hr (equivalent to 43 ppmvd at 15% O₂), 1.8 g-CO/bhp-hr (equivalent to 212 ppmvd at 15% O₂), 0.038 g-PM₁₀/bhp-hr, or 0.03 g-VOC/bhp-hr (equivalent to 6.2 ppmvd at 15% O₂). [District Rules 2201, 4102, and 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.341 \text{ lb-NO}_x/\text{hr})$. [District Rule 1070]
18. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
19. 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]
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-7-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC
MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

SECTION: 19 **TOWNSHIP:** 32S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 322 BHP DEUTZ MODEL TCG2015V8, SN XXXXXX, EPA CERTIFIED LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 1311): REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

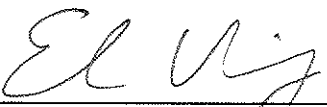
CONDITIONS

1. Authority to Construct (ATC) S-5551-7-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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.

Sayed Sadredin, Executive Director / APCO

for 
Arnaud Marjollet, Director of Permit Services

S-5551-7-1 - Apr 26 2016 10:35AM - LOWELES - Joint Inspection NOT Required

8. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
10. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
11. 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]
12. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
13. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
15. Emissions from this IC engine shall not exceed any of the following limits: 0.6 g-NO_x/bhp-hr (equivalent to 43 ppmvd at 15% O₂), 1.8 g-CO/bhp-hr (equivalent to 212 ppmvd at 15% O₂), 0.038 g-PM₁₀/bhp-hr, or 0.03 g-VOC/bhp-hr (equivalent to 6.2 ppmvd at 15% O₂). [District Rules 2201, 4102, and 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.341 \text{ lb-NO}_x/\text{hr})$. [District Rule 1070]
18. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
19. 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]
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-8-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

SECTION: 22 **TOWNSHIP:** 32S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 322 BHP DEUTZ MODEL TCG2015V8, SN XXXXXX, EPA CERTIFIED LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 1941): REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

CONDITIONS

1. Authority to Construct (ATC) S-5551-8-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

for 
Arnaud Marjollet, Director of Permit Services
S-5551-8-1: Apr 26 2016 10:35AM - LOWELES Joint Inspection NOT Required

8. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
10. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
11. 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]
12. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
13. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
15. Emissions from this IC engine shall not exceed any of the following limits: 0.6 g-NO_x/bhp-hr (equivalent to 43 ppmvd at 15% O₂), 1.8 g-CO/bhp-hr (equivalent to 212 ppmvd at 15% O₂), 0.038 g-PM₁₀/bhp-hr, or 0.03 g-VOC/bhp-hr (equivalent to 6.2 ppmvd at 15% O₂). [District Rules 2201, 4102, and 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.341 \text{ lb-NO}_x/\text{hr})$. [District Rule 1070]
18. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
19. 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]
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-9-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

SECTION: 22 **TOWNSHIP:** 32S **RANGE:** 26E

EQUIPMENT DESCRIPTION:

MODIFICATION OF 322 BHP DEUTZ MODEL TCG2015V8, SN XXXXXX, EPA CERTIFIED LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 2211); REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

CONDITIONS

1. Authority to Construct (ATC) S-5551-9-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

Arnaud Marjollet
Arnaud Marjollet, Director of Permit Services

S-5551-9-1: Apr 26 2016 10:35AM - LOWELES : Joint Inspection NOT Required

8. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
10. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
11. 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]
12. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
13. This engine shall be operated and maintained in proper operating condition as recommended by the engine manufacturer or emissions control system supplier. [District Rule 4702]
14. During periods of operation, the permittee shall monitor the operational characteristics of the engine as recommended by the manufacturer or emission control system supplier (for example: check engine fluid levels, battery, cables and connections; change engine oil and filters; replace engine coolant; and/or other operational characteristics as recommended by the manufacturer or supplier). [District Rule 4702]
15. Emissions from this IC engine shall not exceed any of the following limits: 0.6 g-NO_x/bhp-hr (equivalent to 43 ppmvd at 15% O₂), 1.8 g-CO/bhp-hr (equivalent to 212 ppmvd at 15% O₂), 0.038 g-PM₁₀/bhp-hr, or 0.03 g-VOC/bhp-hr (equivalent to 6.2 ppmvd at 15% O₂). [District Rules 2201, 4102, and 4702]
16. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
17. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.341 \text{ lb-NO}_x/\text{hr})$. [District Rule 1070]
18. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
19. 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]
20. All records shall be maintained and retained on-site for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-10-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

EQUIPMENT DESCRIPTION:

MODIFICATION OF 469 BHP DRESSER-RAND MODEL GUASCOR SFGLD180, SN XXXXXX, LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 2511); REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR; MOVE ENGINE FROM FROM WELL # 2511 TO WELL # 1821

CONDITIONS

1. Authority to Construct (ATC) S-5551-10-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. This permit does not authorize the violation of any conditions established for this facility in the Conditional Use Permit (CUP), Special Use Permit (SUP), Site Approval, Site Plan Review (SPR), or other approval documents issued by a local, state, or federal agency. [Public Resources Code 21000-21177: California Environmental Quality Act]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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.

Sayed Sadredin, Executive Director / APCO

for
Arnaud Marjollet, Director of Permit Services

8. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]
9. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
10. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
11. This engine shall be equipped with a functional oxidizing catalyst unit for reduction of VOC emissions, which is maintained and operated per the manufacturer's recommendations. [District Rules 2201 and 4702]
12. The engine shall be fitted with the necessary connections and ports to monitor the back pressure across the catalyst. [District Rule 4702]
13. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
14. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
15. 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]
16. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201]
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]
18. The operator shall inspect the catalyst and measure the back pressure at least once each calendar month. [District Rule 4702]
19. If the back pressure across the catalyst is 2 psi or greater, the catalyst shall be removed and either washed/cleaned or replaced. The engine shall not be operated until an appropriate catalyst is re-installed and the back pressure across the catalyst is less than 2 psi. [District Rule 4702]
20. Emissions from this IC engine shall not exceed any of the following limits: 83.6 ppmvd NO_x @ 15% O₂ (equivalent to 1.0 g-NO_x/bhp-hr), 155 ppmvd CO @ 15% O₂ (equivalent to 1.8 g-CO/bhp-hr), 0.038 g-PM₁₀/bhp-hr, or 50 ppmvd VOC @ 15% O₂ (equivalent to 0.24 g-VOC/hp-hr). [District Rules 2201 and 4702]
21. Source testing to measure VOC emissions from this unit shall be conducted within 60 days of initial start-up. [District Rules 2201 and 4702]
22. Source testing to measure CO emissions from this unit shall be conducted within 60 days of initial start-up and every 60 months thereafter. [District Rule 4702]
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
25. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC concentration and CO concentration shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702]
26. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702]

CONDITIONS CONTINUE ON NEXT PAGE

27. The following test methods shall be used: NO_x (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 and 4702]
28. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702]
29. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
30. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.827 \text{ lb-NO}_x/\text{hr})$. [District Rule 1070]
31. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
32. 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]
33. All records shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-11-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

EQUIPMENT DESCRIPTION:

MODIFICATION OF 469 BHP DRESSER-RAND MODEL GUASCOR SFGLD180, SN XXXXXX, LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 679); REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

CONDITIONS

1. Authority to Construct (ATC) S-5551-11-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. This permit does not authorize the violation of any conditions established for this facility in the Conditional Use Permit (CUP), Special Use Permit (SUP), Site Approval, Site Plan Review (SPR), or other approval documents issued by a local, state, or federal agency. [Public Resources Code 21000-21177: California Environmental Quality Act]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

for
Arnaud Marjollet, Director of Permit Services

S-5551-11-1: Apr 26 2016 10:35AM - LOWELES : Joint Inspection NOT Required

8. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]
9. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
10. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
11. This engine shall be equipped with a functional oxidizing catalyst unit for reduction of VOC emissions, which is maintained and operated per the manufacturer's recommendations. [District Rules 2201 and 4702]
12. The engine shall be fitted with the necessary connections and ports to monitor the back pressure across the catalyst. [District Rule 4702]
13. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
14. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
15. 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]
16. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201]
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]
18. The operator shall inspect the catalyst and measure the back pressure at least once each calendar month. [District Rule 4702]
19. If the back pressure across the catalyst is 2 psi or greater, the catalyst shall be removed and either washed/cleaned or replaced. The engine shall not be operated until an appropriate catalyst is re-installed and the back pressure across the catalyst is less than 2 psi. [District Rule 4702]
20. Emissions from this IC engine shall not exceed any of the following limits: 83.6 ppmvd NO_x @ 15% O₂ (equivalent to 1.0 g-NO_x/bhp-hr), 155 ppmvd CO @ 15% O₂ (equivalent to 1.8 g-CO/bhp-hr), 0.038 g-PM₁₀/bhp-hr, or 50 ppmvd VOC @ 15% O₂ (equivalent to 0.24 g-VOC/hp-hr). [District Rules 2201 and 4702]
21. Source testing to measure VOC emissions from this unit shall be conducted within 60 days of initial start-up. [District Rules 2201 and 4702]
22. Source testing to measure CO emissions from this unit shall be conducted within 60 days of initial start-up and every 60 months thereafter. [District Rule 4702]
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
25. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC concentration and CO concentration shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702]
26. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702]

CONDITIONS CONTINUE ON NEXT PAGE

27. The following test methods shall be used: NO_x (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 and 4702]
28. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702]
29. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
30. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.827 \text{ NO}_x/\text{hr})$. [District Rule 1070]
31. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
32. 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]
33. All records shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-12-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

EQUIPMENT DESCRIPTION:

MODIFICATION OF 469 BHP DRESSER-RAND MODEL GUASCOR SFGLD180, SN XXXXXX, LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 685): REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR


CONDITIONS

1. Authority to Construct (ATC) S-5551-12-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. This permit does not authorize the violation of any conditions established for this facility in the Conditional Use Permit (CUP), Special Use Permit (SUP), Site Approval, Site Plan Review (SPR), or other approval documents issued by a local, state, or federal agency. [Public Resources Code 21000-21177: California Environmental Quality Act]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for 
Arnaud Marjollet, Director of Permit Services

S-5551-12-1: Apr 26 2016 10:35AM --LOWELES : Joint Inspection NOT Required

8. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]
9. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
10. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
11. This engine shall be equipped with a functional oxidizing catalyst unit for reduction of VOC emissions, which is maintained and operated per the manufacturer's recommendations. [District Rules 2201 and 4702]
12. The engine shall be fitted with the necessary connections and ports to monitor the back pressure across the catalyst. [District Rule 4702]
13. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
14. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
15. 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]
16. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201]
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]
18. The operator shall inspect the catalyst and measure the back pressure at least once each calendar month. [District Rule 4702]
19. If the back pressure across the catalyst is 2 psi or greater, the catalyst shall be removed and either washed/cleaned or replaced. The engine shall not be operated until an appropriate catalyst is re-installed and the back pressure across the catalyst is less than 2 psi. [District Rule 4702]
20. Emissions from this IC engine shall not exceed any of the following limits: 83.6 ppmvd NO_x @ 15% O₂ (equivalent to 1.0 g-NO_x/bhp-hr), 155 ppmvd CO @ 15% O₂ (equivalent to 1.8 g-CO/bhp-hr), 0.038 g-PM₁₀/bhp-hr, or 50 ppmvd VOC @ 15% O₂ (equivalent to 0.24 g-VOC/hp-hr). [District Rules 2201 and 4702]
21. Source testing to measure VOC emissions from this unit shall be conducted within 60 days of initial start-up. [District Rules 2201 and 4702]
22. Source testing to measure CO emissions from this unit shall be conducted within 60 days of initial start-up and every 60 months thereafter. [District Rule 4702]
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
25. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC concentration and CO concentration shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702]
26. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702]

CONDITIONS CONTINUE ON NEXT PAGE

27. The following test methods shall be used: NO_x (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 and 4702]
28. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702]
29. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
30. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.827 \text{ lb-NO}_x/\text{hr})$. [District Rule 1070]
31. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
32. 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]
33. All records shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-13-1

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

EQUIPMENT DESCRIPTION:

MODIFICATION OF 469 BHP DRESSER-RAND MODEL GUASCOR SFGLD180, SN XXXXXX, LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP (WELL # 693): REMOVE FACILITY-WIDE CO SPECIFIC LIMITING CONDITION (SLC) OF 20,000 LB/YR; INCLUDE FACILITY-WIDE NOX SLC OF 19,999 LB/YR

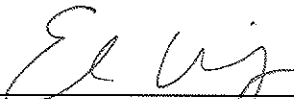
CONDITIONS

1. Authority to Construct (ATC) S-5551-13-0 shall be implemented concurrently or prior to the modification of the equipment authorized by this Authority to Construct. [District Rule 2201]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
3. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
4. This permit does not authorize the violation of any conditions established for this facility in the Conditional Use Permit (CUP), Special Use Permit (SUP), Site Approval, Site Plan Review (SPR), or other approval documents issued by a local, state, or federal agency. [Public Resources Code 21000-21177: California Environmental Quality Act]
5. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
6. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
7. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]

CONDITIONS CONTINUE ON NEXT PAGE

YOU MUST NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

for 

 Arnaud Marjollet, Director of Permit Services
S-5551-13-1: Apr 26 2016 10:35AM - LOWELES Joint Inspection NOT Required

8. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]
9. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
10. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
11. This engine shall be equipped with a functional oxidizing catalyst unit for reduction of VOC emissions, which is maintained and operated per the manufacturer's recommendations. [District Rules 2201 and 4702]
12. The engine shall be fitted with the necessary connections and ports to monitor the back pressure across the catalyst. [District Rule 4702]
13. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O₂ exhaust concentration). [District Rule 4702]
14. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
15. 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]
16. Operation of this engine shall not exceed 4,000 hours per year. [District Rule 2201]
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]
18. The operator shall inspect the catalyst and measure the back pressure at least once each calendar month. [District Rule 4702]
19. If the back pressure across the catalyst is 2 psi or greater, the catalyst shall be removed and either washed/cleaned or replaced. The engine shall not be operated until an appropriate catalyst is re-installed and the back pressure across the catalyst is less than 2 psi. [District Rule 4702]
20. Emissions from this IC engine shall not exceed any of the following limits: 83.6 ppmvd NO_x @ 15% O₂ (equivalent to 1.0 g-NO_x/bhp-hr), 155 ppmvd CO @ 15% O₂ (equivalent to 1.8 g-CO/bhp-hr), 0.038 g-PM₁₀/bhp-hr, or 50 ppmvd VOC @ 15% O₂ (equivalent to 0.24 g-VOC/hp-hr). [District Rules 2201 and 4702]
21. Source testing to measure VOC emissions from this unit shall be conducted within 60 days of initial start-up. [District Rules 2201 and 4702]
22. Source testing to measure CO emissions from this unit shall be conducted within 60 days of initial start-up and every 60 months thereafter. [District Rule 4702]
23. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]
24. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
25. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC concentration and CO concentration shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702]
26. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702]

CONDITIONS CONTINUE ON NEXT PAGE

27. The following test methods shall be used: NO_x (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 and 4702]
28. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702]
29. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
30. On a monthly basis, the permittee shall calculate and record the monthly NO_x emissions from this internal combustion engine for the most recently concluded month. The monthly NO_x emissions shall be calculated according to the following formula: $\text{lb-NO}_x/\text{month} = (\text{hours operated that month}) \times (0.827 \text{ lb-NO}_x/\text{hr})$. [District Rule 1070]
31. On a monthly basis, the permittee shall calculate and record the facility-wide NO_x emissions in pounds from the preceding 12 months. The facility-wide NO_x emissions shall be calculated by summing the NO_x emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
32. 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]
33. All records shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-14-0

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

EQUIPMENT DESCRIPTION:

607 BHP DRESSER-RAND MODEL GUASCOR SFGLD 240 LEAN-BURN NATURAL GAS-FIRED IC ENGINE POWERING AN AGRICULTURAL IRRIGATION PUMP UTILIZING AN ADVANCED CATALYST SYSTEMS OXIDIZING CATALYST

CONDITIONS

1. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to enter the permittee's premises where a permitted source is located or emissions related activity is conducted, or where records must be kept under condition of the permit. [District Rule 1070]
2. Upon presentation of appropriate credentials, a permittee shall allow an authorized representative of the District to have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit. [District Rule 1070]
3. This permit does not authorize the violation of any conditions established for this facility in the Conditional Use Permit (CUP), Special Use Permit (SUP), Site Approval, Site Plan Review (SPR), or other approval documents issued by a local, state, or federal agency. [Public Resources Code 21000-21177: California Environmental Quality Act]
4. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than three minutes in any one hour which is as dark as, or darker than, Ringelmann 1 or 20% opacity. [District Rule 4101]
5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
6. No air contaminant shall be released into the atmosphere which causes a public nuisance. [District Rule 4102]
7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

YOU **MUST** NOTIFY THE DISTRICT COMPLIANCE DIVISION AT (661) 392-5500 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

Arnaud Marjollet

Arnaud Marjollet, Director of Permit Services

S-5551-14-0 : Apr 26 2016 10:35AM -- LOWE/LES : Joint Inspection NOT Required

8. Facility-wide NOx emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
10. This engine shall be equipped with a functional oxidizing catalyst unit for reduction of VOC emissions, which is maintained and operated per the manufacturer's recommendations. [District Rules 2201 and 4702]
11. The engine shall be fitted with the necessary connections and ports to monitor the back pressure across the catalyst. [District Rule 4702]
12. The engine shall be operated in a lean-burn configuration (greater than or equal to 4% O2 exhaust concentration). [District Rule 4702]
13. This IC engine shall be fired on Public Utility Commission (PUC) regulated natural gas only. [District Rules 2201 and 4801]
14. 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]
15. Operation of this engine shall not exceed 4,700 hours per year. [District Rule 2201]
16. 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]
17. The operator shall inspect the catalyst and measure the back pressure at least once each calendar month. [District Rule 4702]
18. If the back pressure across the catalyst is 2 psi or greater, the catalyst shall be removed and either washed/cleaned or replaced. The engine shall not be operated until an appropriate catalyst is re-installed and the back pressure across the catalyst is less than 2 psi. [District Rule 4702]
19. Emissions from this IC engine shall not exceed any of the following limits: 83.6 ppmvd NOx @ 15% O2 (equivalent to 1.0 g-NOx/bhp-hr), 155 ppmvd CO @ 15% O2 (equivalent to 1.8 g-CO/bhp-hr), 0.038 g-PM10/bhp-hr, or 50 ppmvd VOC @ 15% O2 (equivalent to 0.24 g-VOC/hp-hr). [District Rules 2201 and 4702]
20. Source testing to measure VOC emissions from this unit shall be conducted within 60 days of initial start-up. [District Rules 2201 and 4702]
21. Source testing to measure CO emissions from this unit shall be conducted within 60 days of initial start-up and every 60 months thereafter. [District Rule 4702]
22. Source testing shall be conducted using the methods and procedures approved by the District. The District must be notified at least 30 days prior to any compliance source test, and a source test plan must be submitted for approval at least 15 days prior to testing. [District Rule 1081]
23. The results of each source test shall be submitted to the District within 60 days thereafter. [District Rule 1081]
24. For emissions source testing, the arithmetic average of three 30-consecutive-minute test runs shall apply. If two of three runs are above an applicable limit, the test cannot be used to demonstrate compliance with an applicable limit. VOC emissions shall be reported as methane. VOC concentration and CO concentration shall be reported in ppmv, corrected to 15% oxygen. [District Rule 4702]
25. Emissions source testing shall be conducted with the engine operating either at conditions representative of normal operations or conditions specified in the Permit to Operate. [District Rule 4702]
26. 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 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

27. The permittee shall update the I&M plan for this engine prior to any planned change in operation. The permittee must notify the District no later than seven days after changing the I&M plan and must submit an updated I&M plan to the APCO for approval no later than 14 days after the change. The date and time of the change to the I&M plan shall be recorded in the engine's operating log. For modifications, the revised I&M plan shall be submitted to and approved by the APCO prior to issuance of the Permit to Operate. The permittee may request a change to the I&M plan at any time. [District Rule 4702]
28. The permittee shall record the total time the engine operates, in hours per calendar year. [District Rule 2201]
29. On a monthly basis, the permittee shall calculate and record the monthly NOx emissions from this internal combustion engine for the most recently concluded month. The monthly NOx emissions shall be calculated according to the following formula: $\text{lb-NOx/month} = (\text{hours operated that month}) \times (1.071 \text{ lb-NOx/hr})$. [District Rule 1070]
30. On a monthly basis, the permittee shall calculate and record the facility-wide NOx emissions in pounds from the preceding 12 months. The facility-wide NOx emissions shall be calculated by summing the NOx emissions from the previous 12 months from every permitted unit at this facility. [District Rule 1070]
31. 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]
32. All records shall be maintained and retained for a minimum of five (5) years, and shall be made available for District inspection upon request. [District Rules 2201 and 4702]



AUTHORITY TO CONSTRUCT

PERMIT NO: S-5551-15-0

ISSUANCE DATE: 04/26/2016

LEGAL OWNER OR OPERATOR: MATERRA FARMING COMPANY LLC

MAILING ADDRESS: PO BOX 9308
BAKERSFIELD, CA 93389

LOCATION: 17901 MILLUX RD
BAKERSFIELD, CA 93311

EQUIPMENT DESCRIPTION:

607 BHP DRESSER-RAND MODEL GUASCOR SFGLD 240 LEAN-BURN NATURAL GAS-FIRED IC ENGINE
POWERING AN AGRICULTURAL IRRIGATION PUMP UTILIZING AN ADVANCED CATALYST SYSTEMS OXIDIZING
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CONDITIONS

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3. This permit does not authorize the violation of any conditions established for this facility in the Conditional Use Permit (CUP), Special Use Permit (SUP), Site Approval, Site Plan Review (SPR), or other approval documents issued by a local, state, or federal agency. [Public Resources Code 21000-21177: California Environmental Quality Act]
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5. Particulate matter emissions shall not exceed 0.1 grains/dscf in concentration. [District Rule 4201]
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7. This IC engine shall only be used for the growing of crops or raising of fowl or animals. [District Rules 4701 and 4702]

CONDITIONS CONTINUE ON NEXT PAGE

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Seyed Sadredin, Executive Director / APCO

for 
Arnaud Marjollet, Director of Permit Services
S-5551-15-0 - Apr 26 2016 10:35AM -- LOWELES : Joint Inspection NOT Required

8. Facility-wide NO_x emissions shall not exceed 19,999 pounds in any rolling 12-consecutive month period. [District Rule 2201]
9. This engine shall be equipped with a non-resettable hour meter with a minimum display capability of 9,999 hours, unless the District determines that a non-resettable hour meter with a different minimum display capability is appropriate in consideration of the historical use of the engine and the owner or operator's compliance history. [District Rules 2201 and 4702]
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