



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

INACTIVE

B010886

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: MAY 2010

OWNER OF OPERATOR (Co.#2733)

NextEra Energy Capital Holdings, Inc.
700 Universe Blvd.
Juno Beach, FL 33408

EQUIPMENT LOCATION (Fac.#941)

Resurgence Solar & BESS
41100 Highway 395
Boron, CA 93516

Description:

DIESEL IC ENGINE, PORTABLE COMPRESSOR (AC-08) consisting of: One John Deere diesel IC engine; model year = 2010; EPA family number = AJDXL04.5112; Tier = 3; model number = 4045TF280B; serial number = PE4045L109852; rated at 80 bhp at 2400 RPM; powering a Sullivan Palatek portable compressor; model = D250PJD; serial = 29603; rated at 250 scfm.

One John Deere, Diesel fired internal combustion engine Model No. 4045TF280B and Serial No. PE4045L109852, Direct Injected, Turbo Charged, producing 80 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 34.0 lbs/hr. This equipment powers a Sullivan Palatek Compressor Model No. D250PJD and Serial No. 29603, rated at 250 scfm.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	3.75	gm/bhp-hr
NOx	2.775	gm/bhp-hr
PM10	0.3	gm/bhp-hr
SOx	0.38	gm/bhp-hr

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

Fee Schedule: 1 (b)

Rating: 1 bhp

SIC: 4911

SCC: 20100102

Location/UTM(Km):
450E/3874N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

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By: **COPY**
Eldon Heaston
Air Pollution Control Officer

2. This diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.) [Title 13 CCR 93116.2(bb)]

3. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal to 0.05% on a weight per weight basis, until September 1, 2006 when the sulfur concentration shall be 0.0015% or 15 ppm per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines. [Title 13 CCR 93116.3(a)]

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time by January 1, 2012. [Title 13 CCR 93116.4(c)(2)(A)]

5. This portable diesel-fueled engine (unit) shall be certified to meet a federal or California standard for newly manufactured nonroad engines pursuant to 40 CFR Part 89 or Title 13 CCR Section 2423 (that is, certified to Tier 1, 2 or 3 nonroad engine standards). [Title 17 CCR Section 93116.3 (b)(2)]

6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Date of each use and duration of each use (in hours);
- b. Reason for use (Regular use, testing & maintenance, emergency, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [Title 13 CCR 93116.4(c)]

7. The o/o of this unit must submit a Status Report for the fleet by March 1, 2011. This Status Report should include, but not limited to, the following, for details see Title 13 CCR 93116.4(e)(1):

- a. The fleet's weighted average PM emission rate for the 2010 calendar year,
- b. Inventory of portable engines in the fleet,
- c. Identify, if applicable, each portable diesel-fueled engine that the owner commits to replacing with a Tier 4 engine,
- d. Listing of portable diesel-fueled engines, if applicable, used exclusively in emergency applications,
- e. Listing of portable diesel-fueled engines, if applicable, satisfying the low-use engine requirements,
- f. Listing of portable alternative-fueled engines, if applicable, added to the fleet prior to January 1, 2009, pursuant to section 93116.3(d)(2)(B)2, and
- g. Listing of portable diesel-fueled engine(s) equipped with Selective Catalytic Reduction (SCR) system(s),

8. The fleet* under control of this o/o is subject to and shall comply with the weighted Diesel Particulate Matter (DPM) emission fleet averages** expressed as grams per brake horsepower-hour (g/bhp-hr) of Title 17 CCR Section 93116.3(c) & (d) by the following dates:

Compliance Date Weighted DPM (g/bhp-hr)

January 1, 2013 0.30

January 1, 2017 0.18

January 1, 2020 0.04

* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).

** The method used to calculate the Fleet Average is found in Title 13 CCR 93116.3(d).

9. The o/o of this unit must submit a Statement of Compliance signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 13 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

Weighted DPM Emission Fleet Average Date Submit by

January 1, 2013 March 1, 2013

January 1, 2017 March 1, 2017
January 1, 2020 March 1, 2020

10. The o/o of fleets that are exempted from the requirements of section 93116.4 pursuant to section 93116.4 (a), the Responsible Official shall certify that all portable diesel-fueled engines in the fleet satisfy the requirements of section 93116.4(a). See Title 13 CCR 93116.4(f) for details.

11. The o/o and/or Responsible Official of a fleet electing to use electrification in determining the fleet average shall submit the report required by title 13 CCR 93116.4(c)(3) by January 1, 2012.

12. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 13 CCR 93116). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.

13. The equipment on this permit can be used at both Luz Solar Partners III - VII, SEGS III through VII (0277/00941) and Luz Solar Partners VIII & IX, Harper Lake Co. VIII & IX (0603/00975).