



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

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

**INACTIVE**

B009338

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: SEPTEMBER 2017**

**OWNER OF OPERATOR (Co.#133)**

NASA/Goldstone  
93 Goldstone Rd.  
Fort Irwin, CA 92310

**EQUIPMENT LOCATION (Fac.#611)**

NASA/Goldstone Deep Space Communications Complex  
Goldstone Lake  
Fort Irwin, CA 92311

**Description:**

DIESEL IC ENGINE, PORTABLE, LOW-USE, AIR COMPRESSOR consisting of: Year of Manufacturer unknown, uncertified, existing ICE with a stack height of 5' and a stack diameter of 2".

One John Deere, Diesel fired internal combustion engine Model No. TO4045T and Serial No. CD4239D818684, producing 100 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 4.0 gal/hr. This equipment powers a Ingersol Rand Compressor Model No. P-185B-W-JD and Serial No. 175771U89329, rated at 100 psi.

**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 in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

[District Rule 1302(C)(2)(a)]

2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This equipment must be moved within this facility or moved to another facility annually. The amount of time that the equipment is kept in the storage location does not count towards the residence requirement so long as the equipment is not set up in an operational configuration.

[Title 17 CCR 93116.2(a)(29)]

Fee Schedule: 1 (b)

Rating: 100 bhp

SIC: 9661

SCC: 20100102

Location/UTM(Km):  
517E/3906N

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.

NASA/Goldstone  
93 Goldstone Rd.  
Fort Irwin, CA 92310

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

3. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis 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 17 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 17 CCR 93116.4(c)(2)(A)]

5. Facility-wide emissions shall not exceed 250 tons per year of NO<sub>x</sub>, 24 tons per year of VOC, and 18 tons per year of PM<sub>10</sub>. Facility-wide emissions shall be calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. For emergency engines, only emissions generated during testing and maintenance shall apply toward the facility-wide emission limits. These records shall be maintained as current for a minimum of five (5) years, and made available upon District, State and/or Federal request.

[District Rule 1302(C)(2)(a)]

6. This engine has been designated as "low-use" pursuant to Title 17 CCR 93116. Engine operation shall not exceed 80 hours per year, except for in an emergency event as defined in Title 17 CCR 93116.

[Title 17 CCR 93116.2(a)(22) and 9.3116.3(c)(4)]

7. The owner/operator shall maintain an 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 prime use, emergency, testing & maintenance, etc.);
- c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- d. Fuel sulfur concentration (may use the supplier's certification of sulfur content if it is maintained as part of this log).

[Title 17 CCR 93116.4(c)(2)(C)]

8. This portable, uncertified, low-use engine shall be removed from service or replaced no later than January 1, 2017. The replacement engine shall be certified to the most stringent of either the federal or California emission standards for the appropriate class and category of nonroad engine in effect at the time of replacement.

[Title 17 CCR 93116.3(b)(1)(B)]

9. The owner/operator 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 required by Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7).

// Weighted DPM Emission Fleet Average Compliance Date // Submit Statement of Compliance by

January 1, 2013 // March 1, 2013

January 1, 2017 // March 1, 2017

January 1, 2020 // March 1, 2020

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10. The owner/operator 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 17 CCR 93116.4(f) for details.

11. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.