



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

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

**INACTIVE**

B004898

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: NOVEMBER 2020**

**OWNER OF OPERATOR (Co.#88)**

NAWS  
429 E Bowen Road - Stop 4014  
China Lake, CA 93555-6108

**EQUIPMENT LOCATION (Fac.#567)**

NAWCWD Test Stands  
429 E Bowen Road - Stop 4014  
China Lake, CA 935556108

**Description:**

DIESEL IC ENGINE, WATER PUMP (SKYTOP BAY VI) consisting of: An uncertified (Tier 0) diesel engine manufactured prior to 1985, with no after market emission control device installed. Engine exhaust flow is 12,164 ACFM at 900 degrees Fahrenheit.

One Caterpillar, Diesel fired internal combustion engine Model No. 3516 STD and Serial No. 27Z00668, Turbo Charged, Compression-Ignited, producing 2000 bhp with 16 cylinders at 1800 rpm while consuming a maximum of 95.8 gal/hr. This equipment powers a RB Pumping Co. Pump Model No. tbd and Serial No. tbd, rated at tbd.

**CONDITIONS:**

1. This equipment shall be installed, operated and maintained in strict accordance 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. [District Rule 204]
  
2. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time. [Title 17 CCR 93115.10(d), District Rule 204]
  
3. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the CA ATCM for Stationary CI Engines:
  - a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
  - b. A cetane index or aromatic content, as follows:

Fee Schedule: 1 (d)

Rating: 2000 bhp

SIC: 9711

SCC: 20200102

Location/UTM(Km):  
450E/3946N

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.

NAWS  
Environmental Management Division  
China Lake, CA 93555-6108

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

1. A minimum cetane index of 40; or,
2. A maximum aromatic content of 35 volume percent.

STATE AND DISTRICT ENFORCEABLE ONLY

[17 CCR 93115.5(a)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. The owner/operator shall maintain an operations log for this engine current and on-site (or at a central location) for a minimum of five (5) years, and shall include, at a minimum, the following information:

- a. Monthly and consecutive 12 month rolling period operation in terms of fuel consumption (in total hours);
- b. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log);
- c. Maintenance and repair actions performed on the engine; and
- d. Records of all performance tests and evaluations.

[40 CFR 63.10(b) and 17 CCR 93115.10]

5. This engine shall not operate for more than 20 hours in any consecutive 12 month period in order to maintain its low-use designation. Furthermore, this engine shall not be operated within 500 feet of a K-12 school.

STATE AND DISTRICT ENFORCEABLE ONLY

[17 CCR 93115.3(j)]

6. This engine shall not operate for more than 100 hours in any consecutive 12 month period in order to maintain its limited use designation.

[40 CFR 63.6675 and District Rule 204]

7. As authorized in 40 CFR 63.6590(b)(3)(iv), this engine is exempt from the requirements of 40 CFR 63, subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (the RICE NESHAP).

[40 CFR 63.6590(b)(3)(iv)]

8. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines.

STATE AND DISTRICT ENFORCEABLE ONLY

[District Rule 204]

9. As authorized in 17 CCR 93115.3(j), this low-use engine is exempt from the emission standards established in 17 CCR 93115.7(b)(1), the Airborne Toxic Control Measure for Stationary Compression Ignition Engines (the Stationary ATCM).

[Title 17 CCR 93115.3(j), District Rule 1320]

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

[District Rule 204]