



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B004900

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2010

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:

I.C.E. - PUMP consisting of: Year of Manufacture 1960; Tier 0; Skytop Complex, Building 16096

One Cummins, Diesel fired internal combustion engine Model No. VT-8-430-IP and Serial No. 280742, producing 430 bhp with 8 cylinders at 1800 rpm while consuming a maximum of gal/hr. This equipment powers a Harman Pump Co. Pump Model No. and Serial No. , rated at .

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.
2. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15) on a weight per weight basis per CARB Diesel or equivalent requirements.
3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. (17 CCR \S93115(e)(4)(G)1.)
4. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of three (3) 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:

Fee Schedule: 1 (c)

Rating: 430 bhp

SIC: 9711

SCC: 20100102

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

- a. Date of each use and duration of each use (in hours);
- b. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- c. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

5. The Diesel Particulate Matter emission from this diesel ICE must comply with one of the two following options by the appropriate compliance date in either Conditions 9 or 11:

Option 1. 85% reduction in emissions from baseline levels. (17 CCR \S93115(e)(1)(D)1.a.)

Option 2. 0.01 g/bhp hr (17 CCR \S93115(e)(1)(D)1.b.)
(17 CCR \S93115(e)(1)(D)1.c.)

6. The hydrocarbon (HC), oxides of nitrogen (NOX), non-methane hydrocarbons plus NOX (NMHC+NOx) and carbon monoxide (CO) emissions from this diesel ICE must comply with one of the three following options by the appropriate compliance date in either condition 9 or 11:

Option 1. Use verified emission control strategy. (17 CCR \S93115(e)(1)(D)2. and see 13 CCR \S\S2700-2710 for procedure)

Option 2. Emissions standards for off-road engines of the same model year and rated power as specified in 13 CCR \S2423 or "Tier 1" standards if no such standards exist. (17 CCR \S93115(e)(2)(D)2.a.)

Option 3. No more than 10% increase in HC or NOx from baseline or no increase in NMHC+NOx from baseline AND no more than 10% increase in CO from baseline. (17 CCR \S93115(e)(2)(D)2.a.)

7. The owner/operate must submit the required control strategy to District for compliance with emissions on or before June 30, 2010. (17 CCR \S93115(e)(4)(A)4.)

8. The owner/operate must submit the required emissions data to District on or before January 1, 2011. (17 CCR \S93115(e)(4)(D))

9. Since equipment is remotely located (more than 1 mile from another receptor) and the prioritization score is less than 1.0 and/or the cancer risk is less than 1.0 in and million and the hazard index is less than 0.1 the equipment must comply this conditions 5 and 6 on or before January 1, 2011. (17 CCR \S93115(c)(18))

10. The owner/operate must notify the District immediately upon the loss of the exemption in Condition 11. (17 CCR \S93115(e)(4)(F)1.)

11. The owner/operator of this equipment shall demonstrate compliance with the requirements Conditions 5 and 6 within 180 days of notifying the District or notification from the District of the lose of an exemption. (17 CCR \S93115(e)(4)(F)2.)

12. This diesel fired ICE is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115). In the event of conflict between these conditions and the ATCM, the most stringent shall govern.