



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

PERMIT TO OPERATE

E013057

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: SEPTEMBER 2025

OWNER OF OPERATOR (Co. #504)

Adelanto, City of
11600 Air Expressway
Adelanto, CA 92301

EQUIPMENT LOCATION (Fac. #2013)

Adelanto, City of - Jonathan St
19101 Jonathan Street
Adelanto, CA 92301

Description:

DIESEL IC ENGINE, PORTABLE EMERGENCY WATER PUMP consisting of: A certified Tier IV interim diesel engine, EPA Family CJDXL04.5130 and CARB Executive Order U-R-004-0444, manufactured in 2015 with no exhaust after-treatment devices installed.

One John Deere, Diesel fired internal combustion engine Model No. 4045TF290A and Serial No. PE4045R972177, Direct Injected, Turbo Charged, producing 74 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 4.64 gal/hr. This equipment powers a Premier Pump & Power Pump Model No. 8NNT-VP-4045TF290 and Serial No. 1P9BP1505GV591058, rated at TBD.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.90	gm/bhp-hr
NOx	3.26	gm/bhp-hr
PM10	0.22	gm/bhp-hr
PM2.5	0.22	gm/bhp-hr
SOx	0.01	gm/bhp-hr
VOC	0.17	gm/bhp-hr

CONDITIONS:

1. This certified portable diesel internal combustion engine 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

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 9199

SCC: 20100102

Location/UTM(Km): 459E/3826N

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.

Adelanto, City of
11600 Air Expressway

Adelanto, CA 92301

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

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 1302]

2.This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days, excluding time spent at a designated storage site where the engine can NOT be used for emergency use. This generator must be moved to another facility annually for a valid operational reason.

[Title 17 CCR 93116]

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.

[Title 17 CCR 93116]

5.This unit shall be limited to use for emergency power, defined as in response to a fire, mitigation of a flood or sewage overflow, pumping of water to maintain pressure in the water distribution system, training of personnel in the use of portable equipment for emergency purposes, or when commercially available power has been interrupted.

[Title 17 CCR 93116.2(a)(12)]

6.This engine has been designated as "emergency" pursuant to Title 17 CCR 93116 and is therefore exempt from the fleet requirements of sections 93116.3(c)(1) and 93116.3(c)(2) pursuant to section 93116.3(c)(3)(B). In order to maintain this designation, this engine is limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour per year limit.

In the event that this engine exceeds the allowed hours of operation in a calendar year it becomes immediately subject to the requirements of section 93116.3(c)(1) or (c)(2) in the year such exceedance or use occurs. The responsible official (owner/operator) must submit a request to convert the engine to regular use, subject to the limitations of section 93116.3(c)(6).

[Title 17 CCR 93116.2(a)(23) and 9.3116.3(c)(3)and(5)]

7.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:

- a. Date of each use;
- b. Location of each use;
- c. Duration of each use (in hours as indicated by the hour timer);
- d. Reason for each use (testing & maintenance, emergency, required emission testing);
- e. Calendar year operation in terms of fuel consumption (in gallons) or total hours; and,
- f. 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 17 CCR 93116]

8.The owner/operator shall not operate this emergency standby diesel-fueled CI engine for non-emergency use, including maintenance and testing, if the engine is located on school grounds whenever there is a school-sponsored activity and/or if the engine is located within 500 feet of school grounds between 7:30 a.m. and 3:30 p.m. on days when school is in session.

[Title 17 CCR 93116]

9.The Diesel Engine associated with this portable compressor shall not be operated closer than 1000 feet (304 meters) from any Critical Receptor, defined as a School K-12, Health Care Facility or Residence. Such operation will require the submittal of an application for a revised permit to operate so that the applicable requirements of the California Health and Safety Code Section 42301.6 will be met.

[District Rule 1320, CH&SC 42301.6 Permit Approval: Powers & Duties of APCO]

10.This engine is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent shall govern.

[Title 17 CCR 93116, District Rule 204]

11.A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]