



## 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

B012213

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: FEBRUARY 2026**

#### OWNER OF OPERATOR (Co. #2262)

Barstow, City of - WWTP  
2200 E Riverside Drive  
Barstow, CA 92311

#### EQUIPMENT LOCATION (Fac. #500)

Barstow Wastewater Treatment Plant  
2200 E Riverside Drive  
Barstow, CA 92311

#### Description:

DIESEL IC ENGINE, PORTABLE TRASH PUMP consisting of: A certified Interim Tier IV diesel engine, EPA Family EJDXL06.8210, manufactured in 2014 with a factory-equipped Periodic Trap Oxidizer (PTOX) after treatment device installed. Exhaust flow is 597 ACFM at 765 degrees Fahrenheit.

One John Deere, Diesel fired internal combustion engine Model No. 4045HFC93I and Serial No. PE4045R071332, After Cooled, Compression-Ignited, Direct Injected, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Permit To Operate (PTO), Smoke Puff Limiter, Turbo Charged, producing 142 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 7.2 gal/hr. This equipment powers a Power Prime Pumps Pump Model No. DV175C-SAE2 and Serial No. 192121-14.00, rated at 2800 gpm.

#### EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.10	gm/bhp-hr
NOx	2.31	gm/bhp-hr
PM10	0.007	gm/bhp-hr
VOC	0.0004	gm/bhp-hr

#### 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

Fee Schedule: 1 (b)      Rating: 142 bhp      SIC: 4952      SCC: 20200102      Location/UTM(Km): 498E/3861N

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**  
**Brad Poiriez**  
Air Pollution Control Officer

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.  
This equipment must be moved for a valid business purpose annually.  
[District Rules 1302, 1303, and 1320; Title 17 CCR 93116.2(a)(29)]

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) 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 93116.4(c)(2)(A)]

5.The owner/operator 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;
- b. Location of each use (decimal degrees, xx.xxxxx;-yyy.yyyyy);
- c. Duration of each use (in hours as indicated by the hour timer);
- d. Daily, weekly, monthly and calendar year operation in terms of total hours;
- e. Fuel sulfur concentration (the owner/operator may use the fuel supplier's certification of sulfur content if it is maintained as part of this log); and,
- f. Copies of all notifications send to the District pursuant to condition 8.

[Title 17 CCR 93116.4(c)]

6.This portable, diesel-fired engine is certified to Tier 4 final emission standards and is therefore exempted from the requirements of section 93116.4 of Title 17 CCR 93116.

7.The owner/operator shall notify the District at least ten (10) days prior to operation of this equipment. Notification must be sent electronically to [engineering@mdaqmd.ca.gov](mailto:engineering@mdaqmd.ca.gov). The notification must include:

- a. The permit number.
- b. The location/address where the equipment will be operated and description of the project.
- c. The contact information of the owner/operator of the equipment.

[District Rule 204]

8.This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) 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 requirements shall govern.

[Title 17 CCR 93116]

9.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]