



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

B011518

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: JUNE 2026

OWNER OF OPERATOR (Co. #504)

Adelanto, City of
11600 Air Expressway
Adelanto, CA 92301

EQUIPMENT LOCATION (Fac. #3363)

Adelanto, City of - City Yard
11780 Air Expressway
Adelanto, CA 92301

Description:

DIESEL IC ENGINE, VACUUM SWEEPER consisting of: Year of Mfg. 2011, Tier 3, USEPA Engine Family BJDXL06.8117, CARB certified diesel PM emission rate 0.15 g/bhp-hr

One John Deere, Diesel fired internal combustion engine Model No. PE4045HF285 and Serial No. CD4045L24061, Direct Injected, Turbo Charged, Inter Cooled, producing 104 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 4.0 gal/hr. This equipment powers a Johnston/Freightline Sweeper Model No. VT650 and Serial No. VIN 1FVACXDT1CHBN4321, rated at .

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.2	gm/bhp-hr
NOx	2.2313	gm/bhp-hr
PM10	0.15	gm/bhp-hr
SOx	0.004	gm/bhp-hr
VOC	0.3938	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (b)

Rating: 104 bhp

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**
Eldon Heaston
Air Pollution Control Officer

1. This certified diesel engine 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. [District Rule 204 and 1302]

2. This diesel IC engine and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually pursuant to the ATCM's definition of "portable".)
[Title 17 CCR 93116 - ATCM for DPM from Portable Engines]

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 - ATCM for DPM from Portable Engines]

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 - ATCM for DPM from Portable Engines]

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. Calendar year operation in terms of total hours of operation; and,
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).
[Title 17 CCR 93116 - ATCM for DPM from Portable Engines]

6. The fleet under control of this owner/operator is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c).

Fleet Standard Compliance:

Engines <175 bhp	Engines >175 to 749 bhp	Engines >750 bhp	
Date (g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)	
1/1/2013	0.3	0.15	0.25
1/1/2017	0.18	0.08	0.08
1/1/2020	0.04	0.02	0.02

Fleet is defined in Title 17 CCR Section 93116.2(16). Engines designated as "low-use" or "emergency" are not subject to the fleet requirements in Title 17 93116.3 (c)(3).
[Title 17 CCR 93116 - ATCM for DPM from Portable Engines]

7. 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, see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

Weighted DPM Emission Fleet Average Date Submit by
January 1, 2013 March 1, 2013
January 1, 2017 March 1, 2017
January 1, 2020 March 1, 2020
[Title 17 CCR 93116 - ATCM for DPM from Portable Engines]

8. This equipment is a possible source of hazardous emissions and shall not be operated and/or located within 1,000 feet of a public or private school (kindergarten through 12th grade) of more than 12 students without completing the notification required by California Health and Safety Code, Section 42301.6.
[California Health and Safety Code, Sections 42301.6 and 42301.9]

9. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Diesel Particulate Matter (DPM) 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.

10. 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]