



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

B012188

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: OCTOBER 2025

OWNER OF OPERATOR (Co. #453)

Victor Valley Wastewater Reclamation Authority
20111 Shay Road
Victorville, CA 92394

EQUIPMENT LOCATION (Fac. #1124)

VVWRA - 20111 Shay
20111 Shay Road
Victorville, CA 92394

Description:

DIESEL IC ENGINE, PORTABLE PRIME VACUUM PUMP (VACTOR TRUCK) consisting of: A certified Tier III diesel engine, EPA Family AJDXL04.5111, manufactured in 2010 with no exhaust after-treatment device installed. Exhaust flow is 625 ACFM at 907 degrees F:

One John Deere, Diesel fired internal combustion engine Model No. 4045HF280B and Serial No. PE4045L119540, After Cooled, Compression-Ignited, Direct Injected, Turbo Charged, producing 99.2 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 5.4 gal/hr. This equipment powers a Vactor Pump Model No. 2105 and Serial No. 92-124721, rated at TBD scfm.

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 1302]

2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 12 consecutive months. (This system must be moved for a valid business purpose within this facility or moved to another facility annually.) [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.

Fee Schedule: 1 (b) Rating: 99bhp SIC: 4952 SCC: 20100102 Location/UTM(Km): 467E/3831N

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.

Victor Valley Wastewater Reclamation
Authority
20111 Shay Road
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By: **COPY**
Brad Poiriez
Air Pollution Control Officer

[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 o/o shall maintain an 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 and duration of each use (in hours);
- b. Calendar year operation in terms of fuel consumption (in gallons) and/or 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).

[Title 17 CCR 93116.4(c)]

6.This USEPA Tier 3 certified engine may not be operated in California on or after January 1, 2027 unless this engine meets one of the following:

- a. The engine has been designated as low-use, in accordance with Title 13 CCR 2453(p); or
- b. The engine has been designated as emergency, in accordance with Title 13 CCR 2453(p); or
- c. The engine has been equipped with a properly functioning level-3 verified technology.

[Title 17 CCR 93116.3(c)(1)(A)]

In order to designate this engine as low-use or emergency, the owner/operator must submit an application to the District to modify this permit, in addition to submitting a modification to CARB via PERP Form 20 (Application for a Correction or Modification to an Existing Registration) according to the provisions of Title 13 CCR 2453(p).

"Level-3 Verified Technology" means a technology that has satisfied the requirements of the "Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines" in title 13, Cal. Code Regs., commencing with section 2700, and has demonstrated a reduction in diesel particulate matter of 85 percent or greater. In order to install a level-3 technology, the owner/operator must submit an application to the District to modify this permit.

7.In lieu of requirements stated above as Condition 6, the fleet* under control of this o/o is subject to and shall comply with the weighted Diesel Particulate Matter (DPM) emission fleet averages** expressed as grams per brake horsepower-hour (g/bhp-hr) of Title 17 CCR Section 93116.3(c)(2) by the following dates:

// Compliance Date // Fleet PM Standard (g/bhp-hr)

January 1, 2020 // 0.10

January 1, 2023 // 0.06

January 1, 2027 // 0.03

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* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).

** The method used to calculate the Fleet Average is found in Title 13 CCR 93116.3(d).

8.This USEPA Tier 3 certified engine may not be sold, or offered for sale, to an end user in California on or after January 1, 2029. The sale of engines for resale outside of California is not prohibited.

[Title 17 CCR 93116.3(e)]

9.This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirement shall govern.

[Title 17 CCR 93116, District Rule 1302]

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.

[Rule 107(b), HSC 39607 and 44341-44342, 40 CFR 51, Subpart A]