



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

M014670

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2023

OWNER OF OPERATOR (Co.#2874)

EC Source Services
4800 West Pasadena
Glendale, AZ 85301

EQUIPMENT LOCATION (Fac.#4291)

EC Source Service
13241 North Neighbours Blvd.
Blythe, CA 92225

Description:

DIESEL IC ENGINES, PORTABLE HYDRAULIC VIBRATORY DRIVER/EXTRACTOR consisting of: One PACO Equipment ICE Model 110C hydraulic vibratory driver/extractor unit, powered by two certified Tier 3 diesel engines, EPA family ACPXL18.1ESK, manufactured in 2010. Each certified Tier 3 Diesel engine consists of:

One Caterpillar, Diesel fired internal combustion engine Model No. C15 and Serial No. MCW06545/MCW09657, Charge Air Cooler, Direct Injected, Engine/Powertrain Control Module, Turbo Charged, producing 1190 bhp with 16 cylinders at 2100 rpm while consuming a maximum of 28.0 gal/hr. This equipment powers a PACO Equipment Other Model No. 110C and Serial No. TBD, rated at 888 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.790	gm/bhp-hr
NOx	2.834	gm/bhp-hr
NOx+NMHC	2.983	gm/bhp-hr
PM10	0.119	gm/bhp-hr
PM2.5	0.119	gm/bhp-hr
SOx	0.0045	gm/bhp-hr
VOC	0.149	gm/bhp-hr

CONDITIONS:

1. These certified Tier 3 compression-ignited internal combustion engines and their associated emission control systems 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 air contaminants. Unless otherwise noted, this equipment shall also be

Fee Schedule: 10 (1d) Rating: 1190 bhp SIC: 1623 SCC: 20100102 Location/UTM(Km): 717E/3722N

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.

EC Source Services
P.O. Box 890186
Houston, TX 77289

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

operated in accordance with all data and specifications submitted with the application for this permit.
[District Rule 1302(C)(2)(a)]

2. These engines 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)]

3. These engines and their associated equipment cannot be operated at the same location for more than 365 consecutive days. Additionally, this unit may not reside at any one location for more than 90 days. This equipment must be moved for a valid business purpose annually.
[District Rules 1302, 1303, and 1320 and Title 17 CCR 93116.2(a)(29)]

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Regulation XIII - NSR]

5. This equipment shall not operate for more than 100 hours in any consecutive 12 month period. Additionally, this unit shall not operate more than 4 hours per day (midnight to midnight). Before these limitations can be increased, the facility is required to submit to the District an application to modify the permit, which may trigger BACT review and may necessitate a Health Risk Assessment (HRA). In addition, public notice and/or a commenting period may be required.
[District Rules 1302, 1303, and 1320]

6. These engines shall not be operated unless all of the following emission control systems are properly functioning:

- a. Electronic Control Module;
- b. Charge Air Cooler; and
- c. Turbocharger.

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.
[District Rule 1302]

7. The owner/operator shall notify the District at least ten (10) days prior to operation of this equipment within the District. Notification must be sent electronically to 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. The owner/operator 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, location (decimal degrees, xx.xxxxx;-yy.yyyyy), and duration of each use (in hours);
- b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- c. Date of each maintenance action or repair on any equipment noted in Condition #6;
- d. Description of each maintenance action or repair on any equipment noted in Condition #6; and
- e. Fuel sulfur concentration as required by condition #2 (you may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Regulation XIII - NSR]

9. These engines are 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 requirements shall govern.
[District Rule 1302 and Title 17 CCR 93116]

10. These USEPA Tier 3 certified engines may not be operated in California on or after January 1, 2025 unless the engines meet 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 these engines 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.

11. These USEPA Tier 3 certified engines may not be sold, or offered for sale, to an end user in California on or after January 1, 2027. The sale of engines for resale outside of California is not prohibited.
[Title 17 CCR 93116.3(e)]

12. These engines shall not be operated concurrently with the engines under District Permit B014669.
[District Rules 301 and 1302]

13. These engines shall not be used within 1000 meters of any K-12 school, residence, hospital, or other sensitive receptor location. Sensitive receptor locations include, but are not limited to, hospitals, schools, and day care centers, and such other locations as the District board or California Air Resources Board may determine.
[District Rule 204 and H&S Code 42705.5(a)(5)]

14. 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]