



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B014110

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2022

OWNER OF OPERATOR (Co. #2649)

Swinerton Builders
16798 West Bernardo Drive
San Diego, CA 92127

EQUIPMENT LOCATION (Fac. #4066)

High Desert Solar - Swinerton
20904 Helendale Road
Victorville, CA 92392

Description:

DIESEL IC ENGINE, PORTABLE GENERATOR consisting of: A Caterpillar XQ125 Generator Set, Year of Manufacture 2019, EPA Tier 4 Final, EPA Family KPKXL04.4MU1, CARB Executive Order U-R-022-0217. Stack Data: Height: 7 feet Diameter: 0.25 feet Temperature: 883.58 F Flow Rate: 589.76 ACFM

One Perkins, Diesel fired internal combustion engine Model No. C4.4 and Serial No. J9G00936, Direct Injected, Turbo Charged, Charge Air Cooler, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Selective Catalytic Reduction, Selective Catalytic Reduction, Ammonia Oxidation Catalyst, producing 173 bhp with 4 cylinders at 2200 rpm while consuming a maximum of 5.51 gal/hr. This equipment powers a Caterpillar Generator Model No. XQ125 and Serial No. CATXQ125PCK500809, rated at 100 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.022	gm/bhp-hr
NOx	0.21	gm/bhp-hr
PM10	0.015	gm/bhp-hr
PM2.5	0.015	gm/bhp-hr
SOx	0.003	gm/bhp-hr
VOC	0.007	gm/bhp-hr

CONDITIONS:

1. This certified diesel fired internal combustion 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

Fee Schedule: 1 (b) Rating: 173 bhp SIC: 1522 SCC: 20100102 Location/UTM(Km): 465E/3832N

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

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 engine shall not be operated unless all of the following emission control systems are properly functioning:

- a. Diesel Oxidation Catalyst;
- b. Electronic Control Module;
- c. Exhaust Gas Recirculation System;
- d. Selective Catalytic Reduction (SCR) system; and
- e. Ammonia Oxidation Catalyst system

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

[District Rule 1302]

3.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 when the unit is not in use. (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)]

4.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.

Note: Use of CARB ULSD satisfies this requirement.

[Title 17 CCR 93116.3(a)]

5.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)]

6.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 of each use, location of each use (decimal degrees, xx.xxxxx;-yyy.yyyyy) and duration of each use (in hours);
- b. Reason for use (regular use, testing & maintenance, emergency use, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in gallons) or total hours (to assist in CEI data collection);
- d. Description of all repairs and/or maintenance actions on emission control systems; and,
- e. 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)]

7.This unit shall not operate within 1000 feet of the outer boundary of any K-12 school for more than 45 days. 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 1302 and H&S Code 42301.6]

8.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 requirements shall govern.

[District Rule 1302]

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]