



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B013566

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2020

OWNER OF OPERATOR (Co. #2353)

Protech Minerals, LLC
17092 South D Street
Victorville, CA 92395

EQUIPMENT LOCATION (Fac. #3931)

Protech Minerals, LLC - Sand Valley
Kingston to Palm, Right on Texas (South)
Sandy Valley, CA 89417

Description:

DIESEL IC ENGINE, PORTABLE GENERATOR consisting of: A certified Tier 3 Compression-Ignition (Diesel) Portable Prime Use Engine manufactured in 2010, EPA Family AJDXL13.5900:

One John Deere, Diesel fired internal combustion engine Model No. 6090HF485 and Serial No. TBD, After Cooled, Compression-Ignited, Direct Injected, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Smoke Puff Limiter, Turbo Charged, producing 422 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 17.9 gal/hr. This equipment powers a Leroy Somer Generator Model No. LSA46.2L9 and Serial No. TBD, rated at 255 kW(e) / 318 kVA.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.38	gm/bhp-hr
NOx	2.70	gm/bhp-hr
PM10	0.08	gm/bhp-hr
SOx	0.004	gm/bhp-hr
VOC	0.08	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (c) Rating: 422 bhp SIC: 1499 SCC: 20100102 Location/UTM(Km): 626E/3955N

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

1.This EPA Tier 3 compression-ignited internal combustion engine 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 operated in accordance with all data and specifications submitted with the application for this permit.

[District Rule 204]

2.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)]

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. Note: Use of CARB ULSD satisfies this requirement.

[Title 17 CCR 93116.3(a)]

4.This engine shall not operate more than 4,000 hours per twelve-month period.

[District Rule 1320]

5.This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This diesel ICE and its associated equipment must be moved for a valid business purpose at least once in every 365 day period.

[Title 17 CCR 93116.2(a)(29)]

6.This engine shall not operate within 500 meters (approx. 1,640 feet) of any offsite receptor without prior written authorization of the District.

[District Rule 1320]

7.This unit shall not operate within a 1000 feet of the outer boundary of any K-12 school. 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.

[H&S Code 42301.6; District Rule 1302(C)(2)(a)]

8.This EPA Tier 3 engine shall not operate past December 31, 2028.

[Title 17 CCR 93116.3(c)]

Additionally this EPA Tier 3 engine cannot be sold or offered for sale to an end user in California after December 31, 2028. The sale of engines for resale outside of California is not prohibited.

[Title 17 CCR 93116.3(e)]

9.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 requested records must be provided to the appropriate personnel within ten business days of the 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. Reason for use (Regular use, testing & maintenance, emergency, required emission testing);
- c. Daily and annual operation in terms of fuel consumption (in gallons) and total hours;
- d. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log);
- e. Location of nearest receptor each time this equipment is moved (in meters or feet); and
- f. Location of operation, in latitude/longitude, accurate to 5 decimal places.

[District Rule 1302; 1320; Title 17 CCR 93116.4]

10.This engine is subject to the requirements of Title 17 CCR 93116, the Airborne Toxic Control Measure (ATCM) for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. In the event of a conflict between these conditions and the ATCM, the more stringent requirements shall govern.

[District Rule 1302; Title 17 CCR 93116]

11.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]