



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

E015506

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: JANUARY 2027

OWNER OF OPERATOR (Co.#2891)

Desert Quartzite, LLC
15445 Innovation Dr
San Diego, CA 92128

EQUIPMENT LOCATION (Fac.#4307)

Desert Quartzite Solar
19455 16th Ave.
Blythe, CA 92225

Description:

PROPANE LPG IC ENGINE, EMERGENCY GENERATOR consisting of: USEPA engine family PPSIB5.702ED, manufactured in 2023. The exhaust flow is 553 ACFM at 1350 degrees Fahrenheit. Exhaust stack is 5.5 feet above ground level with an exhaust stack diameter 0.20 feet. Equipment is at an elevation of 384 feet above sea level.

One PSI, Propane fired internal combustion engine Model No. 5.7L and Serial No. TBD, After Cooled, Naturally Aspirated, producing 113 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 339 scf/hr. This equipment powers a PSI Generator Model No. TBD and Serial No. TBD, rated at 60 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	5.501	lbs/hr
NOx	1.547	lbs/hr
PM10	0.047	lbs/hr
PM2.5	0.046	lbs/hr
SOx	0.003	lbs/hr
VOC	0.777	lbs/hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4911

SCC: 20301001

Location/UTM(Km):
716E/3719N

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.

Desert Quartzite, LLC
1580 N Logan St., Ste. 660

Denver, CO 80203-1994

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

1. This stationary, spark-ignited, internal combustion engine, certified in accordance with 40 CFR Part 1048, and its associated control devices shall be installed, operated and maintained according to the manufacturer's emission-related written instructions. Further, the owner/operator shall change only those emission-related settings that are permitted by the manufacturer. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 60.4231(c), 60.4233(c), 60.4234, and 60.4243(a)(2)(ii)]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Rule 204]

3. This unit shall be fired on commercial grade Liquefied Petroleum Gas (LPG) fuel only.
[District Rule 204]

4. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. This unit shall be operated for no more than 16 hours per consecutive 24 hours and no more than 100 hours per consecutive 12 month for testing and maintenance, excluding compliance source testing. Please note there is no limitation on emergency use.
[District Rule 1302 and 1303; 40 CFR 60.4243(d)]

5. 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 and duration of each use (in hours);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Monthly and consecutive 12 month period operation in terms of fuel consumption in standard cubic feet and total hours;
- d. Records of all inspections, maintenance and repair actions.

[District Rule 204; 40 CFR 60.4245]

6. Engine may operate in response to notification of impending involuntary rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.

[District Rule 204]

7. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC), Demand Response Program (DRP), Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.

[District Rule 204; 40 CFR 60.4243(d)]

8. 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. For the purposes of CEI, Facility is defined as every structure, appurtenance, installation, and improvement on land which is associated with a source of air releases or potential air releases of a hazardous material.

[District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]