



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

E013642

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. #254)

Morongo Unified School District
5715 Utah Trail
Twentynine Palms, CA 92277-0970

EQUIPMENT LOCATION (Fac. #932)

Morongo Unified District Office
5715 Utah Trail
Twentynine Palms, CA 92277

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: Year of Mfg. 2006, EPA Engine Family 6PKXL06.6PJ1, CARB E.O. U-R-022-0084. Stack Data: Height 9.8', Diameter 0.5'

One Caterpillar/Perkins, Diesel fired internal combustion engine Model No. C6.6 and Serial No. E6M00209, Direct Injected, Turbo Charged, After Cooled, Electronic Control Module, producing 278.7 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 12.5 gal/hr. This equipment powers a TBD Generator Model No. TBD and Serial No. TBD, rated at TBD.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.6	gm/bhp-hr
NOx	2.85	gm/bhp-hr
NOx+NMHC	3	gm/bhp-hr
PM10	0.15	gm/bhp-hr
SOx	0.004	gm/bhp-hr
VOC	0.15	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 8211

SCC: 20100102

Location/UTM(Km):
586E/3778N

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.

Morongo Unified School District
PO Box 1209
Twentynine Palms, CA 92277-0970

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

1. This engine 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 Part 60 Subparts 60.4205, and 60.4211]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. [17 CCR 93115]

3. This engine shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:
 - a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
 - b. A cetane index or aromatic content, as follows: (i) A minimum cetane index of 40; or, (ii) A maximum aromatic content of 35 volume percent. [17 CCR 93115.5(a), 40 CFR 80.510(b), and 40 CFR 63.6604]

- Note: Use of certified California Ultra-Low Sulfur Diesel (ULSD) fuel meets the requirements of subparagraph 3.b above. [District Rule 431; 17 CCR 93115]

4. This engine shall not be operated for non-emergency use (e.g. maintenance and testing) between the hours of 7:30 a.m. and 3:30 p.m. on days when Morongo Jr. High School and/or Twentynine Palms Elementary School are in session. [17 CCR 93115.6]

5. This unit shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 30 hours per year for testing and maintenance. [17 CCR 93115; 40 CFR 60.4211(f)]

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 and time of day of each use and duration of each use (in hours);
 - b. Reason for use (testing & maintenance, emergency, required emission testing, etc.);
 - c. Monthly and calendar year operation in terms of fuel consumption (in gallons) and/or total hours [17 CCR 93115]; and,
 - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log) [17 CCR 93115].

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. [17 CCR 93115]

8. This unit shall be operated and maintained so as to meet the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115) and New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60, Subpart IIII).

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]