



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

PERMIT TO OPERATE

E012411

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#1163)

CaSta Highway Patrol
PO Box 942898
Sacramento, CA 94298

EQUIPMENT LOCATION (Fac.#3604)

CHP - Nipton
100779 Barstow Fwy
Nipton, CA 92364

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: Year of Mfg. TBD, USEPA Engine Family DMDDL14.0ZWK-005, US EPA Tier 3.

One MTU, Diesel fired internal combustion engine Model No. 8V1600G80S3D and Serial No. 16501002468, Turbo Charged, After Cooled, Air-To-Fuel Ratio Controller, Electronic Control Module, producing 601 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 28 gal/hr. This equipment powers a Marathon Electric Generator Model No. 433CSL6220 and Serial No. MT-0014380-1014, rated at 400 KW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.05	gm/bhp-hr
NOx	2.52	gm/bhp-hr
PM10	0.13	gm/bhp-hr
PM2.5	0.13	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.25	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 9221

SCC: 20100102

Location/UTM(Km):
642E/3930N

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.

CaSta Highway Patrol
PO Box 942898

Sacramento, CA 94298

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 unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [17 CCR 93115; 60.4207(b); District Rule 431]

4. 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 50 hours per year for testing and maintenance. [17 CCR 93115; 40 CFR 60.4211(f)]

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, 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) [17CCR 93115].

6. This engine may operate in response to notification of impending 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.

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 Section 93115) and 40 CFR Part 60, Subpart IIII (NSPS).

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]