



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

E011995

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: FEBRUARY 2026

OWNER OF OPERATOR (Co. #2262)

Barstow, City of - WWTP
2200 E Riverside Drive
Barstow, CA 92311

EQUIPMENT LOCATION (Fac. #500)

Barstow Wastewater Treatment Plant
2200 E Riverside Drive
Barstow, CA 92311

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A certified Tier II diesel engine, EPA Family DMDDL35.8GRR, manufactured in 2014 with no exhaust after-treatment device installed. Exhaust flow is 5615 ACFM at 1022 degrees Fahrenheit through a 12 foot high, 10 inch diameter stack:

One Detroit Diesel/MTU, Diesel fired internal combustion engine Model No. 12V2000G45 and Serial No. 5352011652, Electronic Control Module, Inter Cooled, Turbo Charged, producing 1046 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 51.1 gal/hr. This equipment powers a Kohler Generator Model No. 700REOZDE and Serial No. SGM329KNG, rated at 700 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.593	gm/bhp-hr
NOx	4.35	gm/bhp-hr
PM10	0.08	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.195	gm/bhp-hr

CONDITIONS:

1. This engine shall be a US EPA Tier 2 certified, non-road compression-ignition engine, as evidenced by the manufacturer's engine tag.

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4952

SCC: 20100102

Location/UTM(Km): 498E/3861N

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.

Barstow, City of - WWTP
2200 E Riverside Drive
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By: **COPY**
Brad Poiriez
Air Pollution Control Officer

2.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]

3.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]

4.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)]

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 50 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 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].

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 \S93115) and 40 CFR Part 60, Subpart IIII (NSPS).