



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

E005184

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: APRIL 2027

OWNER OF OPERATOR (Co. #2278)

Frontier California Inc.
280 S. Locust Street
Pomona, CA 91766

EQUIPMENT LOCATION (Fac. #1303)

Frontier - Barstow # 1
135 Cozy Lane
Barstow, CA 92311

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: An uncertified, in-use and existing, engine manufactured in 1998 with no exhaust after-treatment device installed.

One Caterpillar, Diesel fired internal combustion engine Model No. 3412DITA and Serial No. 81Z22845, Charge Air Cooler, Compression-Ignited, Turbo Charged, producing 754 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 37.0 gal/hr. This equipment powers a Caterpillar Generator Model No. 3412DITA and Serial No. 8HG01449, rated at 500 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	8.5	gm/bhp-hr
NOx	6.9	gm/bhp-hr
PM10	0.4	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	1.0	gm/bhp-hr

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4813

SCC: 20100102

Location/UTM(Km):
498E/3862N

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.

Frontier California Inc.
280 S. Locust Street
Pomona, CA 91766

By: **COPY**
Brad Poiriez
Executive Director

1. This existing, diesel engine, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of 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 Rules 1302 and 1320]

2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[17 CCR 93115.10(d)]

3. This equipment 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:

1. A minimum cetane index of 40; or,

2. A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a) and 40 CFR 80.510(b)]

Note: Use of CARB certified ULSD fuel satisfies these requirements.

4. This equipment shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance.
[17 CCR 93115.6(b)(3)]

5. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of three (3) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:

a. Date(s) of each use and hours of operation. Include classification of each use as emergency, non-emergency, and/or condition 8 exemption use [17 CCR 93115.10(f)]; and,

b. Monthly and calendar year operation in terms of fuel consumption (in gallons) and/or total hours (both emergency and non-emergency use, classified as described in a. above) [17 CCR 93115.10(f)]; and,

c. Proof that fuel burned in this equipment meets the requirements of condition 3 (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[17 CCR 93115; District Rule 1302]

6. This equipment 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.
[17 CCR 93115.6(b)(1)]

7. This equipment 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 93115.6(c)(2)(C)]

8. As authorized in 40 CFR 63.6585(f), this area HAP source engine is currently exempt from the requirements of 40 CFR 63, subpart ZZZZ - the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (the RICE NESHAP). Upon loss of this exemption, immediate compliance with 40 CFR 63, Subpart ZZZZ is required.

Additionally, this existing commercial emergency stationary engine shall not operate for non-emergency use as part of any financial arrangement with any other entity.

[40 CFR 63.6585(f), 40 CFR 63.6640(f), and 40 CFR 63.6675]

9. This equipment is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115).

[17 CCR 93115; District Rule 1302]

10. 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]