



## 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

E008595

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: JANUARY 2025**

#### OWNER OF OPERATOR (Co. #2278)

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

#### EQUIPMENT LOCATION (Fac. #2549)

Frontier - GC# 721  
Bldg #12 @ Fort Irwin Military Base  
Barstow, CA 92310

#### **Description:**

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: A certified Tier 1 engine, EPA Family 2CEXL0505ACE, manufactured in 2002 with no exhaust after-treatment device installed.

One Cummins, Diesel fired internal combustion engine Model No. 6BTA5-9G3 and Serial No. 46268538, Charge Air Cooler, Turbo Charged, Compression-Ignited, Direct Injected, producing 207 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 10.7 gal/hr. This equipment powers a Cummins Generator Model No. DGDK-5588393 and Serial No. A030456279, rated at 125 kW(e).

#### **EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	2.39	gm/bhp-hr
NOx	6.29	gm/bhp-hr
PM10	0.37	gm/bhp-hr
SOx	0.0044	gm/bhp-hr
VOC	0.19	gm/bhp-hr

#### **CONDITIONS:**

1. This in-use diesel engine shall be operated and maintained in strict accordance 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.

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4813

SCC: 20100102

Location/UTM(Km): 511E/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.

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

By: **COPY**  
**Brad Poiriez**  
Air Pollution Control Officer

[17 CCR 93115; District Rule 1302]

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 unit 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 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 per hour meter);
- b. Reason for use (testing & maintenance, emergency, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in gallons or total hours);
- d. Records of all required maintenance and inspections, and;
- e. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).

[17 CCR 93115.10(f)]

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 voluntarily 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.If this equipment is located at or near a school, this equipment shall not operate for non-emergency use, including maintenance and testing, during the following periods:

- (a) Whenever there is a school sponsored activity on school grounds; or,
- (b) Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

[17 CCR 93115.6(b)(2)]

10.This engine is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines, Title 17 CCR 93115.  
[Title 17 CCR 93115, Rule 1302]

11.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]