



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B014122

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2022

OWNER OF OPERATOR (Co.#2615)

TBC - The Boring Company
15709 Impact Way Bldg 2 Ste 200
Plugerville, TX 78660

EQUIPMENT LOCATION (Fac.#4039)

TBC - The Boring Company
16249 Adelanto Road
Adelanto, CA 92301

Description:

DIESEL IC ENGINE, PORTABLE* GENERATOR consisting of: A certified Tier 4F diesel engine, EPA Family KCEXL08.9AAL, model year 2019 and equipped with factory-installed emission controls. *Please note, this equipment may be operated at various locations at this facility, however emissions comply with the stationary requirements of 17 CCR 93115 and 40 CFR 60, Subpart IIII.

One Cummins, Diesel fired internal combustion engine Model No. QSL9-G9 and Serial No. 74450949, After Cooled, Ammonia Oxidation Catalyst, Direct Injected, Diesel Oxidation Catalyst, Electronic Control Module, Selective Catalytic Reduction, Selective Catalytic Reduction, Turbo Charged, producing 433 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 22 gal/hr. This equipment powers a Cummins Generator Model No. TBD and Serial No. TBD, rated at 200 kW.

EMISSIONS RATES

| Emission Type | Est. Max Load | Unit |
|---------------|---------------|-----------|
| CO | 0.02 | gm/bhp-hr |
| NOx | 0.16 | gm/bhp-hr |
| PM10 | 0.01 | gm/bhp-hr |
| PM2.5 | 0.01 | gm/bhp-hr |
| SOx | 0.01 | gm/bhp-hr |
| VOC | 0.01 | gm/bhp-hr |

CONDITIONS:

Fee Schedule: 1 (c)

Rating: 433 bhp

SIC: 1622

SCC: 20100102

Location/UTM(Km):
463E/3822N

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.

TBC - The Boring Company
130 Walker-Watson Road
Bastrop, TX 78602

By: **COPY**
Brad Poiriez
Executive Director

1. This certified Tier IVF stationary compression-ignited internal combustion engine and its associated emission control systems shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air 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 Rule 1302; 40 CFR 60.4211(a)]

2. This engine shall not be operated unless all of the following emission control systems are properly functioning:

- a. Diesel Oxidation Catalyst;
- b. Electronic Control Module;
- c. Exhaust Gas Recirculation System;
- d. SCR;
- e. Diesel Oxidation Catalyst;
- f. Charge Air Cooler; and
- g. Turbocharger

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.

[District Rule 1302; 40 CFR 60.4211]

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); 40 CFR 80.510(b)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

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

[Title 17 CCR 93115.10(d)]

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 (regular use, testing & maintenance, emergency use, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in gallons) or total hours (to assist in CEI data collection);
- d. Description of all repairs and/or maintenance actions on emission control systems; and,
- e. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Rules 1303 and 1320 and Title 17 CCR 93115)]

6. This unit shall not operate within 1000 feet of the outer boundary of any K-12 school for more than 45 days. Such operation will require the submittal of an application for a revised permit to operate so that the applicable requirements of the California Health and Safety Code Section 42301.6 will be met.

[District Rule 1302 and H&S Code 42301.6]

7. This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.

[District Rule 1302]

8. 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]