



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

B012986

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: JUNE 2025

OWNER OF OPERATOR (Co. #2887)

Double D Mining, LLC
P.O. Box 7060
Visalia, CA 93290

EQUIPMENT LOCATION (Fac. #3707)

Double D Mining, LLC
1 Arlington Mine Road
Blythe, CA 92225

Description:

DIESEL IC ENGINE, GENERATOR consisting of: Year of Manufacturer 2013, Interim Tier IV, Engine Family DCPXL12.5HPA. *Please note, this engine meets the emission standards specified by the Stationary ATCM. This engine may be used at various locations throughout the facility but is not required to be moved.

One Caterpillar, Diesel fired internal combustion engine Model No. C13 and Serial No. K3B00711, After Cooled, Turbo Charged, Direct Injected, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Oxidation Catalyst, Periodic Trap Oxidizer, producing 570 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 23.1 gal/hr. This equipment powers a Caterpillar Generator Model No. XQ350 and Serial No. TBD, rated at 320 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.30	gm/bhp-hr
NOx	1.19	gm/bhp-hr
PM10	0.00	gm/bhp-hr
PM2.5	0.00	gm/bhp-hr
SOx	0.00	gm/bhp-hr
VOC	0.04	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (c) Rating: 567 bhp SIC: 1499 SCC: 20100102 Location/UTM(Km): 700E/3743N

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.

Double D Mining, LLC
P.O. Box 7060
Visalia, CA 93290

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

1.This certified 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.
[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; and.
- (c) Exhaust Gas Recirculation System.

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:
 - i. A minimum cetane index of 40; or,
 - ii. A maximum aromatic content of 35 volume percent.

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

[17 CCR 93115.5(a), 40 CFR 80.510, and 40 CFR 60.4207(b)]

4.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 93115.10(d)(1) and 40 CFR 60.4209(a)]

5.Operation of this engine shall not exceed 16 hours in any 24 hour period.

[District Rule 1302(C)(2)(a)]

6. The facility shall not emit more than 14.9 tons of PM10 per any twelve month period. Compliance with this limit shall be demonstrated by a 12 month rolling average.

[District Rule 1303(B) Offsets]

7.Roadways, work areas and stockpiles shall be kept wetted to control fugitive dust. Equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance. This does not include the haul roads outside of the fenced facility.

[District Regulation IV]

8.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) Calendar year operation in terms of total hours; and,
- (b) Fuel sulfur concentration (may use the fuel supplier's certification of sulfur content if it is maintained as part of this log).

[17 CCR 93115.10(a)(3)(C) and (D)]

9.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]

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]