



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

B013117

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: JULY 2026

OWNER OF OPERATOR (Co.#1889)

Arakelian Enterprises Inc.
P.O. Box 91918
City of Industry, CA 91715-1918

EQUIPMENT LOCATION (Fac.#3817)

Arakelian Enterprises, Inc. - Various Locations
District Wide
MDAQMD, CA 92392

Description:

DIESEL IC ENGINE, PORTABLE GRINDER consisting of: Unit#1109, CBI Magnum Force 6400T Horizontal Grinder; includes a certified Tier 4i diesel engine, EPA Family BCPXL27.0HZA, CARB Executive Order U41-001-0417-1, Year of Manufacture 2011. Stack is 12'1", with a 8" diameter; Exhaust Temperature is 794 Degrees F; Flow Rate is 1,841.2 CFM. Engine is subject to 13 CCR 2449 and is enrolled in the DOORS program - EIN is RG7U49. Equipment elevation is 2618 feet above sea level.

One Caterpillar, Diesel fired internal combustion engine Model No. C27 and Serial No. RAM 00120, Turbo Charged, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Electronic Control Module, Charge Air Cooler, producing 1055 bhp with 12 cylinders at 2100 rpm while consuming a maximum of 46 gal/hr. This equipment powers a Continental Biomass Industries, Inc. Grinder Model No. CBI Magnum Force, 6400T and Serial No. 019055, rated at 60 TPH.

EMISSIONS RATES

| Emission Type | Est. Max Load | Unit |
|---------------|---------------|-----------|
| CO | 2.610 | gm/bhp-hr |
| NOx | 2.237 | gm/bhp-hr |
| PM10 | 0.045 | gm/bhp-hr |
| PM2.5 | 0.045 | gm/bhp-hr |
| SOx | 0.00403 | gm/bhp-hr |
| VOC | 0.119 | gm/bhp-hr |

Fee Schedule: 1 (d)

Rating: 1050 bhp

SIC: 2875

SCC: 20100102

Location/UTM(Km):
473E/3956N

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.

Arakelian Enterprises Inc.
Attn: Environmental Compliance Dept

City of Industry, CA 91715-1918

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

CONDITIONS:

1. The engine associated with this grinder is a certified Tier 4i 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]

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

- a. Direct Injected
- b. Turbo Charged
- c. Charge Air Cooler
- d. Engine Control Module
- e. Engine Gas Recirculation
- f. Diesel Fuel Treatment

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

[District Rule 1302]

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

[District Rules 204 and 1302]

4. This diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days.

This system must be moved within this facility or moved to another facility annually.

[17 CCR 93116.2]

5. The owner/operator shall maintain an operations log for this engine, 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. Daily hour meter reading when engine is started and daily hour meter when engine is shut down; engine operation shall not exceed 10-hours per day at any single location.
- b. Calendar year operation in terms of total hours; shall not exceed 500 hours per calendar year at any single location;
- c. Fuel sulfur concentration (may use the fuel supplier's certification of sulfur content if it is maintained as part of this log).

[District Rules 1302 and 1320]

6. Owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater, for a period aggregating more than three minutes in any one hour.

[District Rules 204 and 401]

7. Materials processed with this equipment shall contain sufficient natural and/or added moisture to preclude violations of District rules 401, 402 and 403. Sufficient water and the equipment for adding it to the process and unpaved roads on the facility shall be maintained in operable condition at all times.

[District Rule 204]

8. This engine is subject to the requirements of Title 17 CCR 93116, the AIRBORNE TOXIC CONTROL MEASURE FOR DIESEL PARTICULATE MATTER FROM PORTABLE ENGINES RATED AT 50 HORSEPOWER AND GREATER and these permit conditions. In the event of a conflict between these conditions and the ATCM, the more stringent requirements shall govern.

[District Rule 1302]

9. This equipment shall not operate closer than 1000 feet from any K-12 School, residence, or medical facility.

[District Rules 204, 1302]

10. The emissions from this equipment shall be included in the emissions inventory of the facility associated with its use; including but not limited to emissions from the Victorville Landfill, The Barstow Landfill, the Landers Landfill and the American Organics Composting Facility.

Therefore, records of this equipments operation shall shall be maintained current and on-site for a minimum of three years, and shall be available to District State, or Federal personnel upon request.

Associated logs shall include the date, locations, hours of operation while at a particular location, and monthly and yearly equipment use summaries by facility.

[District Rules 204 and 1303]

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]