



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B011712

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JULY 2017

OWNER OF OPERATOR (Co.#1889)

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

EQUIPMENT LOCATION (Fac.#3374)

Arakelian Enterprises, Inc. dba American Organics
20055 Shay Road
Victorville, CA 92394

Description:

DIESEL IC ENGINE, PORTABLE SCREEN consisting of: Year of Mfg. 2010, US EPA Engine Family Name AJDXL04.4111, exhaust stack height 9.25 feet by 4 inch diameter.

One John Deere, Diesel fired internal combustion engine Model No. 405HF280B and Serial No. PE4045L119541, Direct Injected, Turbo Charged, producing 99 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 5.6 gal/hr. This equipment powers a Powerscreen Trommel Screen Model No. 725 and Serial No. 9500315, rated at 175 tph.

EMISSIONS RATES

| Emission Type | Est. Max Load | Unit |
|---------------|---------------|-----------|
| CO | 0.68 | gm/bhp-hr |
| NOx | 2.85 | gm/bhp-hr |
| PM10 | 0.23 | gm/bhp-hr |
| SOx | 0.005 | gm/bhp-hr |
| VOC | 0.15 | gm/bhp-hr |

CONDITIONS:

1. This certified diesel engine 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. [Rule 204]

Fee Schedule: 1 (b)

Rating: 99 bhp

SIC: 2875

SCC: 20200102

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

2. 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.) [Title 17 CCR 93116.2(bb)]

3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15ppm on a weight per weight basis per CARB Diesel or equivalent requirements. [Title 17 CCR Section 93116.3(a)]

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 93116.4(c)(2)(A)].

5. This engine's total annual operating time shall not exceed 2496 hours. [1302(C)(2)(a)]

6. The o/o shall maintain a 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 and location of each use and duration of each use (in hours);
- b. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- c. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [Rule 204]

7. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c).

// Fleet Standard Compliance Date // Engines <175 bhp (g/bhp-hr) // Engines >175 to 749 bhp (g/bhp-hr) // Engines >750 bhp (g/bhp-hr)
1/1/2013 // 0.3 // 0.15 // 0.25
1/1/2017 // 0.18 // 0.08 // 0.08
1/1/2020 // 0.04 // 0.02 // 0.02

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Fleet is defined in Title 17 CCR Section 93116.2(16).

8. The o/o of this unit must submit a Statement of Compliance signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates.

Weighted DPM Emission Fleet Average Date Submit by:

(A) March 1, 2013, for the fleet standards that become effective January 1, 2013; and

(B) March 1, 2017, for the fleet standards that become effective January 1, 2017; and

(C) March 1, 2020 for the fleet standards that become effective January 1, 2020.

[Title 17 CCR 93116]

9. Owner/operator must operate and maintain this unit in accordance with the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). [Rule 204]

10. This facility shall emit less than the following on a calendar year basis; Oxides of Nitrogen (NOx) - 24.9 tons, Volatile Organic Compound (VOC) - 24.9 tons, Particulate Matter less than 10 microns (PM10) - 14.9 tons, and Hazardous Air Pollutants (HAP) - 9.9 tons per year for any single HAP and 24.9 tons per year for any combination of HAPs. Compliance shall be demonstrated annually to the District through the submission of a District approved Comprehensive Emission Inventory Report (CEIR) or other District approved equivalent method. The report shall be submitted to the District upon request. [Rule 204]

11. This facility is a Synthetic Minor 80 source (SM-80), therefore, it is a federally reportable facility; all applicable information shall be reported by the MDAQMD to EPA through EPA's ICIS (Integrated Compliance Information System). Information, documents, and records related to this reporting shall be provided to the MDAQMD upon request. [Rule 204]