



## 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

**B010643**

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 2027**

#### **OWNER OF OPERATOR (Co. #353)**

Graham Equipment Co  
17109 Eureka Street  
Victorville, CA 92392

#### **EQUIPMENT LOCATION (Fac. #1233)**

Graham Equipment - Various Locations  
District Wide  
MDAQMD, CA 92392

#### **Description:**

DIESEL IC ENGINE, PORTABLE, LOW USE, TUB GRINDER consisting of: On Road, Tier I equivalent, this unit powers an Olathe tub grinder, serial number 837128HDH.

One Cummins, Diesel fired internal combustion engine Model No. Family 403A, CPL 1351 and Serial No. 44663493, producing 160 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 12.0 gal/hr. This equipment powers a Olathe Other Model No. tub grinder and Serial No. 837128HDH, rated at TBD.

#### **EMISSIONS RATES**

| Emission Type | Est. Max Load | Unit   |
|---------------|---------------|--------|
| CO            | 1.069         | lbs/hr |
| NOx           | 1.83          | lbs/hr |
| PM10          | 0.106         | lbs/hr |
| SOx           | 0.328         | lbs/hr |
| VOC           | 0.395         | lbs/hr |

#### **CONDITIONS:**

Fee Schedule: 1 (b)

Rating: 160 bhp

SIC: 1442

SCC: 20100102

Location/UTM(Km):  
476E/3815N

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.

Graham Equipment Co  
17109 Eureka Street  
Victorville, CA 92392

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

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. 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 (C)(2)(a)]

2. Materials processed shall be kept sufficiently moist to control opacity such that no visible emissions from the equipment result in an opacity greater than 20 percent (No. 1 on the Ringelmann Chart) for a period or periods aggregating more than three (3) minutes in any one hour. Equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance.

[District Rule 401]

3. This diesel ICE and its associated equipment cannot be operated at the same engine-print (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(a)(29)]

4. This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.

[Title 17 CCR 93116.3(a)]

5. 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(b)(2)(A)]

6. This unit shall not be operated for more than 13 hours per day.

[District Rule 1303 - BACT]

7. The o/o shall maintain a 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, required emission testing);
- c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

[Title 17 CCR 93116.4(c)]

8. This portable equipment shall not be operated and/or located within 1,000 feet of a public or private school (kindergarten through 12th grade) of more than 12 students for more than 30 consecutive days without completing the notification required by Health and Safety Code Section 42301.6.

9. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.

10. This engine has been designated as "low-use" pursuant to Title 17 CCR 93116 and is therefore exempt from the fleet requirements of sections 93116.3(c)(1) and 93116.3(c)(2) pursuant to section 93116.3(c)(3)(C). In order to maintain this designation, this engine may not operate more than 200 hours per calendar year except for in an emergency event as defined in Title 17 CCR 93116.

In the event that this engine exceeds the allowed hours of operation in a calendar year it becomes immediately subject to the requirements of section 93116.3(c)(1) or (c)(2) in the year such exceedence or use occurs. The responsible official (owner/operator) must submit a request to convert the engine to regular use, subject to the limitations of section 93116.3(c)(6).

[Title 17 CCR 93116.2(a)(23) and 9.3116.3(c)(3)and(5)]

11. The owner/operator of portable, diesel-fired engines that are exempted from the requirements of section 93116.3(c)(1) and 93116.3(c)(2) pursuant to section 93116.3(c)(3)(C) of Title 17 CCR 93116, must keep and maintain records pursuant to condition 7. The Responsible Official (owner/operator) must provide the following compliance report to the District and CARB by March 1 of each calendar year indicating the following:
- a. The permit number of each low-use engine; and
  - b. The hour meter readings taken at the beginning and end of the previous calendar year for each low-use engine.

Compliance Reports should be sent to the District via mail or electronically to [reporting@mdaqmd.ca.gov](mailto:reporting@mdaqmd.ca.gov)

Compliance Reports should be mailed to CARB at:

ARB/PERP

P.O. Box 2038

Sacramento, CA 95812

[Title 17 CCR 93116.4(b) and (d)]

12. This USEPA Tier 1 certified engine may not be sold, or offered for sale, to an end user in California on or after January 1, 2020. The sale of engines for resale outside of California is not prohibited.
- [Title 17 CCR 93116.3(e)]

13. 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]