



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

B015524

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: APRIL 2027

OWNER OF OPERATOR (Co. #3198)

Progressive Organic Materials, LLC
291 Monte Vista Avenue
Costa Mesa, CA 92627

EQUIPMENT LOCATION (Fac. #4681)

Progressive Organic Materials, LLC
3898 El Mirage Road
Adelanto, CA 92301

Description:

DIESEL IC ENGINE, PORTABLE TUB GRINDER consisting of: A Certified Tier 4 Final diesel engine, USEPA family FCPXL27.0HXF, manufactured in 2015 and equipped with factory-installed emission control. Exhaust flow is estimated at 6271 SCFM, at 900 degrees Fahrenheit through an estimated 13.5 foot high by TBD inches diameter exhaust stack. Equipment is located at an elevation of 2900 feet above MSL. Equipment is not register with CARB's Off-Road diesel (ORD)

One Caterpillar, Diesel fired internal combustion engine Model No. C27 and Serial No. TBD, After Cooled, Electronic Control Module, Turbo Charged, producing 1050 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 56.3 gal/hr. This equipment powers a Morbark Chipper Model No. 1300B and Serial No. TBD, rated at TBD.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.07	gm/bhp-hr
NOx	2.31	gm/bhp-hr
PM10	0.03	gm/bhp-hr
PM2.5	0.03	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.03	gm/bhp-hr

Fee Schedule: 1 (d)

Rating: 1050 bhp

SIC: 2875

SCC: 20100102

Location/UTM(Km):
446E/3829N

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.

Progressive Organic Materials, LLC
291 Monte Vista Avenue
Costa Mesa, CA 92627

By: **COPY**
Brad Poiriez
Executive Director

CONDITIONS:

1. This certified Tier 4 Final portable compression-ignited internal combustion engine and any associated air pollution control equipment, 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 204; 40 CFR 60.4211(a)]

2. This engine may not do any of the following:

- a. Remain in the same footprint for more than 12 consecutive months;
- b. Be returned to the same footprint for an aggregate time period exceeding 12 calendar months;
- c. Be mounted on a foundation; or,
- d. Be moved for illegitimate purposes, such as circumventing the definition of portable equipment.

This engine must be moved from its original footprint within 12 consecutive months. Time spent at a storage facility is not counted towards consecutive time period for any site.

[Title 17 CCR 93116.2(a)(29), District Rules 1302, 1303, and 1320]

3. 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)]

4. This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Portable 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.

[17 CCR 93116.3(a); 40 CFR 60.4207(b) and 40 CFR 1090.305]

Note: Use of CARB certified ULSD fuel satisfies these requirements.

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 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 following information:

- a. Date, location (decimal degrees: yy.yyyyy (latitude), -xxx.xxxxx (longitude)), and duration of each use (in hours);
- b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- c. Fuel sulfur concentration as required by condition #3 (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log);
- d. Date and Description of maintenance performed on this equipment; and
- e. Calendar year operating hours (to assist CEI calculations).
- f. Records of all notifications sent to the District, in accordance with Condition #10.

[17 CCR 93116.4]

6. This engine shall not operate more than 900 hours in any 12 consecutive month period.

This engine shall not be operated within 100 meters (328 feet) of any receptor. Receptors include, but are not limited to, residential units, commercial workplaces, and industrial workplaces. Sensitive receptors include, but are not limited to, hospitals, schools, and day care centers, and such other locations as the District board or California Air Resources Board may determine.

This engine is the only diesel equipment that is permitted to be operated while it is at the facility. Any additional diesel equipment being operated at the same facility as this unit will require a modification to the permit.

[District Rules 1320 and 1520 - basis: Priority Score]

7. This unit shall not operate within 1000 feet of the outer boundary of any K-12 school. Proposed operations inside this boundary may require Public Noticing and or additional equipment restrictions. Therefore, any project proposed inside this boundary will require the submittal of a new application to revise this permit to operate. This is required to ensure compliance with the applicable requirements of

the California Health and Safety Code Section 42301.6.
[District Rule 1302 and H&S Code 42301.6]

8. This engine is subject to the requirements of Title 17 CCR 93116, the Airborne Toxic Control Measure (ATCM) for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. In the event of a conflict between these conditions and the ATCM, the more stringent requirements shall govern.

[District Rule 1302; Title 17 CCR 93116]

9. Visible emissions from this equipment shall not exceed an opacity equal to, or greater than, twenty percent (20%) or Ringlemann No. 1 for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor. This equipment shall not discharge air contaminants or materials constituting a nuisance to any considerable number of persons or to the public. Roadways, work areas and stockpiles shall be kept sufficiently moist to control fugitive dust, and no visible emissions shall extend beyond the property line of the emission source. Equipment to properly wet the material being processed shall be maintained in operable condition on-site and used as necessary to assure compliance with this condition.

[District 401(C)(1); District Rule 402; District Rule 403; District Rule 204]

10. The owner/operator shall notify the District whenever this equipment is moved outside of and then brought back into the District. Notifications must be sent at least ten (10) days in advance of the anticipated move, and must at a minimum, include the following information. Notifications must be sent electronically to engineering@mdaqmd.ca.gov

- a. The District permit number of the engine being moved,
- b. The name, address, and location (decimal degrees: yy.yyyyy (latitude), -xxx.xxxxx (longitude)) of the intended facility/location;
- c. The expected startup date of the engine at the intended location; and
- d. The contact information of the equipment owner/operator.

[District Rules 1302 and 1320]

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. For the purposes of CEI, Facility is defined as every structure, appurtenance, installation, and improvement on land which is associated with a source of air releases or potential air releases of a hazardous material.

[District Rule 107(b); H&S Code 39607 & 44341-44342; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]