MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

RENEWAL

B013636

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#87)

Commanding Officer, MCLB Barstow, CA
Box 110570 Bldg 196 Attn: Air Program Manager
Barstow, CA 92311-5050

EQUIPMENT LOCATION (Fac.#1177)

USMC MCLB - Nebo Annex
USMC Logistics Base
Barstow, CA 923115013

Description:
GASOLINE IC ENGINE, PORTABLE WOOD CHIPPER consisting of: A certified gasoline fueled IC engine, EPA Family KPSIB5.70NGP, manufactured in 2019, with factory equipped emission control devices installed. Exhaust flow is approximately 841 ACFM at 755 degrees Fahrenheit through a 6 inch diameter by 6 foot tall stack. This engine powers a Vermeer BC1500 Brush Chipper: Please note that the PM emission rates listed below are for the engine only. The chipper system produces approximately 0.10 lbs PM10 per ton of wood waste processed.

One PSI, 87U fired internal combustion engine Model No. PSI 5.7L and Serial No. TBD, Three-Way Catalyst (also NSCR), Electronic Control Module, producing 165 bhp with 8 cylinders at 1600 rpm while consuming a maximum of 11.7 gal/hr. This equipment powers a Vermeer Chipper Model No. BC1500 and Serial No. 1VR2181V871009767, rated at 38.3 tons per hour.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.27	gm/bhp-hr
NOx+NMHC	0.45	gm/bhp-hr
PM10	0.07	gm/bhp-hr
SOx	0.007	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (b) | Rating: 165 bhp | SIC: 9711 | SCC: 20201702 | Location/UTM(Km): 505E/3859N

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.

Commanding Officer, MCLB Barstow, CA
Box 110570 Attn: Air Program Manager
Barstow, CA 92311-5050

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

1. This 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 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. 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 1303]

3. This engine shall not be operated unless all emission control systems are properly functioning. Furthermore, no changes shall be made to any emission control system unless done so by a factory certified technician.
[40 CFR 60.4211, District Rule 1302]

4. This chipper shall not operate for more than 6.5 hours in any one day, midnight to midnight. This restriction is to remain below the 25 lb/day Best Available Control Technology (BACT) limit for the grinder portion of the equipment.
[District Rules 1303 and 1320]

5. Visible emissions from this equipment shall not exceed an opacity equal to, or greater than, twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor [District Rule 401]. This equipment shall not discharge air contaminants or materials constituting a nuisance to any considerable number of persons or to the public [District Rule 402]. 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 [District Rule 403]. 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 Rules 401, 402, 403, and 1302(C)(2)(a)]

6. This equipment shall not process any Hazardous Air Pollutant (HAP) or Toxic Air Contaminant (TAC) containing materials.
[District Rule 1320]

7. 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 following information:
a. Date of each use and duration of each use (in hours);
b. Location of each use (this information shall be used to calculate emissions for each facility during Comprehensive Emission Inventories as discussed in Condition #10);
c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) or total hours; and
d. Maintenance performed on this equipment.
[District Rule 1302]

8. This unit is designated as portable for operational flexibility, though it meets all stationary Spark-Ignition Engine requirements and is therefore not required to move.
[40 CFR 60, Subpart JJJJ, District Rule 1302]

9. This engine is subject to the requirements of 40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the NSPS, the more stringent requirements shall govern.
[40 CFR 60 Subpart JJJJ, 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]