



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

B013476

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: FEBRUARY 2025

OWNER OF OPERATOR (Co.#1228)

Antelope Valley Recycling & Disposal Facility Inc
1200 West City Ranch Road
Palmdale, CA 93551

EQUIPMENT LOCATION (Fac.#2470)

Antelope Valley Recycling & Disposal Facility
1200 West City Ranch Rd
Palmdale, CA 93551

Description:

DIESEL IC ENGINE, PORTABLE TIPPER consisting of: Year of Manufacture 2019, Tier 4 Final, US EPA Family Name: FPKXL04.4MT1, Stack Height 6', Stack Diameter 3", Exhaust Temp 1029 degrees F, Exhaust Rate 552 cfm. Facility elevation is 2838 feet above sea level.

One Caterpillar, Diesel fired internal combustion engine Model No. C4.4 and Serial No. JKT07720, Direct Injected, Turbo Charged, After Cooled, Selective Catalytic Reduction, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Electronic Control Module, Four-Stroke Lean Burn, Selective Catalytic Reduction, Ammonia Oxidation Catalyst, producing 124 bhp with 4 cylinders at 2200 rpm while consuming a maximum of 6.5 gal/hr. This equipment powers a Columbia, Tipper Other Model No. 42 ft Horizon and Serial No. JKT07720, rated at 65 tons.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.02	gm/bhp-hr
NOx	0.22	gm/bhp-hr
PM10	0.007	gm/bhp-hr
PM2.5	0.007	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.01	gm/bhp-hr

CONDITIONS:

Fee Schedule: ED (N/A) Rating: 1 Engine SIC: 9511 SCC: 20100102 Location/UTM(Km): 395E/3840N

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.

Antelope Valley Recycling & Disposal
Facility Inc
1200 West City Ranch Rd.
Palmdale, CA 93551

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

1. This Tier 4 Final certified diesel engine, and any associated air pollution control equipment, shall be 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. 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 for a valid business purpose 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% (15 ppm) 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.

Note: Use of CARB certified ULSD satisfies this requirement.

[Title 17 CCR 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(b)(2)(A)]

5. The owner/operator shall maintain an 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. Monthly and annual operation in terms of fuel consumption (in gallons) and total hours; and,
- d. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log).
- e. Location of operation, specific area within the landfill.

[District Rules 1302 and 1320; Title 17 CCR 93116.4(c)]

6. 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 45 consecutive days without completing the notification required by Health and Safety Code 42301.6.

7. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent shall govern.

[District Rule 1302]

8. This engine shall not operate more than 13 hours per day, for a total operating limit of 4,056 hours per year. Compliance with this limit shall be verified by condition 5(a).

[District Rule 1302]

9. 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]