



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

B011151

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: JUNE 2025

OWNER OF OPERATOR (Co. #1021)

SBCo Solid Waste Management
222 West Hospitality Lane, 2nd Floor
San Bernardino, CA 92415-0017

EQUIPMENT LOCATION (Fac. #3172)

SBCo - Twentynine Palms Transfer Station
7510 Pinto Mountain Road
Twentynine Palms, CA 92278

Description:

DIESEL IC ENGINE, GENERATOR consisting of: Year of Manufacturer 2010, Tier 3, USEPA Family AVEXL08.7TR3, and including Diesel Particulate Filter manufactured by NETT Technologies, Inc., Serial No. SGP-0107, Model No. SA1228. DPF is a CARB certified Level 3 control device (greater than 85% control of diesel PM). Facility Elevation is 1970 feet above sea level.

One IVECO/S.P.A. Diesel fired internal combustion engine Model No. F2CE9685A*E and Serial No. 016136, Direct Injected, Inter Cooled, Turbo Charged, producing 389 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 19.0 gal/hr. This equipment powers a Generac Generator Model No. 13166300100 and Serial No. 2111419, rated at 200 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.375	gm/bhp-hr
NOx	2.23	gm/bhp-hr
PM10	0.015	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.394	gm/bhp-hr

CONDITIONS:

1. This certified, stationary, compression-ignited, internal combustion engine and control devices shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which

Fee Schedule: 1 (c) Rating: 389 bhp SIC: 9511 SCC: 20100102 Location/UTM(Km): 586E/3778N

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.

SBCo Solid Waste Management
222 West Hospitality Lane, 2nd Floor
San Bernardino, CA 92415

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

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.

[40 CFR 60.4211(a)]

2.This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. Additionally, the fuel shall have a Minimum Cetane index of 40 or max aromatic content of 35% by volume.

[40 CFR 60, Subpart IIII and 17 CCR 93115]

3.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

[40 CFR 60, Subpart IIII and 17 CCR 93115]

4.This engine shall not be operated more than 3700 hours per year.

[District Rule 1303(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 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. Calendar year operation in terms of fuel consumption (in gallons) and total hours;
- b. Fuel sulfur concentration Cetane index (minimum of 40) or aromatic content (maximum of 35% by volume) (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log);
- c. Initial and monthly Diesel Particulate Trap (DPF) back pressure results;
- d. Records demonstrating compliance with condition 8; and,
- e. Records of emission control maintenance and monitoring.

[40 CFR 60, Subpart IIII and 17 CCR 93115]

6.The Diesel Particulate Matter emissions from this diesel ICE must be equal to or less than 0.01 grams per brake horsepower-hour.

[17 CCR 93115.7(a)(2)]

7.The hydrocarbon(HC), oxides of nitrogen (NOx), non-methane hydrocarbons plus NOx (NMHC+NOx), and carbon monoxide (CO) emissions from this diesel ICE must comply with Off-Road CI Engine Certification Standard for an off-road engine of the same model year and maximum rated power, or Tier 1 standard for an off-road engine of the same maximum rated power, see Title 13 CCR 2423.

[17 CCR 93115.7(a)(2)]

8.The following sources of data may be used in whole or part to demonstrate compliance with the emission standards or requirements of conditions 6 and 7:

- a. off-road engine certification test data for the stationary diesel-fueled CI engine;
- b. engine manufacturer test data;
- c. emissions test data from a similar engine;
- d. emissions test data used in meeting the requirements of the Verification Procedure for the emission control strategy implemented; or,
- e. An alternative compliance demonstration as described in 17 CCR 93115.13(f).

9.The owner/operator shall install, operate, and maintain the NETT Technologies diesel particulate filter (DPF) on this engine in accordance with the California Air Resources Board (CARB) Executive Order DE-09-013.

10.The DPF shall be installed with a backpressure monitor that notifies the owner/operator when the high backpressure limit of the engine is approached.

[17 CCR 93115.10(e)(2)]

11.This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115) and the Standard of Performance (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60, Subpart IIII). In the event of conflict between these conditions, the ATCM, and the NSPS the more stringent shall govern.

12.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]