



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

B015225

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: OCTOBER 2026

OWNER OF OPERATOR (Co. #1884)

Genesis Solar, LLC
11995 Wiley Wells Rd.
Blythe, CA 92225

EQUIPMENT LOCATION (Fac. #3137)

Genesis Solar - Blythe
11995 Wiley Wells Rd.
Blythe, CA 92225

Description:

DIESEL IC ENGINE, PORTABLE AIR COMPRESSOR consisting of: USEPA Family Name PPKXL04.4MT1, Tier 4 Final, Model Year 2023, Date of install 4/1/23.

One Caterpillar, Diesel fired internal combustion engine Model No. C4.4 and Serial No. JKT22101, Ammonia Oxidation Catalyst, Charge Air Cooler, Direct Injected, Diesel Oxidation Catalyst, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Selective Catalytic Reduction, Selective Catalytic Reduction, Turbo Charged, producing 130 bhp with 4 cylinders at 2200 rpm while consuming a maximum of 7.0 gal/hr. This equipment powers a Sullair Compressor Model No. 375H and Serial No. TBD, rated at 375 CFM.

EMISSIONS RATES

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

Fee Schedule: 1 (b)

Rating: 130 bhp

SIC: 4911

SCC: 20100102

Location/UTM(Km):
727E/3723N

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.

Genesis Solar, LLC
P.O. BOX 2370
Blythe, CA 92226

By: **COPY**
Brad Poiriez
Executive Director

CONDITIONS:

1. This certified portable compression-ignited internal combustion engine and its associated emission control systems 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.

[17 CCR 93116, MDAQMD Rule 204]

2. This engine shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the District:

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:

1. A minimum cetane index of 40; or,

2. A maximum aromatic content of 35 volume percent.

[Title 17 CCR 93116.3(a)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

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 for a valid operational reason within this facility or moved to another facility annually.

[Title 17 CCR 93116.2(a)(29)]

4. This unit shall not operate within 1000 feet of the outer boundary of any K-12 school. Such operation will require the submittal of an application for a revised permit to operate so that the applicable requirements of the California Health and Safety Code Section 42301.6 will be met.

[California Health and Safety Code, Sections 42301.6 and 42301.9]

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 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. Monthly Hour Meter Readings

b. Date of each maintenance action or repair;

c. Description of each maintenance action or repair;

d. 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); and,

e. Results of any source testing conducted on the engine.

[MDAQMD Rule 1302]

6. 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 more stringent requirements shall govern.

[MDAQMD Rule 1302]

7. The emissions from this facility shall be less than the following limits:

a. 8 tons per year of any single HAP or 20 tons per year of any combination of HAPs on a 12 month calendar year basis

b. 12 tons of PM10 per year on a 12 month calendar year basis

c. 20 tons of NOx per year on a 12 month calendar year basis

d. 20 tons of VOC per year on a 12 month calendar year basis

e. 80 tons of CO per year on a 12 month calendar year basis

f. 20 tons of SOx per year on a 12 month calendar year basis

Compliance with this limit shall be verified with monthly facility emission summaries. Monthly emissions summaries shall be calculated using a District-approved method, with at least the last two years of monthly emissions summaries maintained and available to be provided to District, State or Federal personnel upon request.

8. 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. A comprehensive emission inventory including both criteria pollutants and HAP/TAC shall be submitted every third submission.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]