



# 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

E011546

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: OCTOBER 2026**

### OWNER OF OPERATOR (Co.#1769)

Solar Partners II, LLC  
HCR1 Box 280  
Nipton, CA 92364

### EQUIPMENT LOCATION (Fac.#3007)

Ivanpah 1  
Near Ca/Nev border at Primm  
Ivanpah, CA 92364

#### **Description:**

DIESEL IC ENGINE, EMERGENCY GENERATOR consisting of: Year of Manufacture 2011, Tier III, EPA Family BCPXL08.8NZZ located at the Administration Building of Ivanpah 1; EPA Engine Complies with 40 CFR Part 60, Subpart IIII. Facility Elevation is 882 meters above sea level.

One Caterpillar, Diesel fired internal combustion engine Model No. C9 and Serial No. S9L03837, Direct Injected, Turbo Charged, After Cooled, producing 398 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 19.4 gal/hr. This equipment powers a Caterpillar Generator Model No. LC5 and Serial No. G5A04954, rated at 250 kW.

#### **EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	0.7	gm/Kw-hr
NOx+NMHC	2.2	gm/Kw-hr
PM10	0.13	gm/Kw-hr

#### **CONDITIONS:**

1. This engine, certified in accordance with 40 CFR Part 89, and after treatment control device (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions. Further, the owner/operator shall change only those emission-related settings that are permitted by the manufacturer. Unless otherwise noted, this equipment shall also be operated in

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4911

SCC: 20200102

Location/UTM(Km):  
640E/3933N

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.

Solar Partners II, LLC  
HCR1 Box 280  
Nipton, CA 92364

By: **COPY**  
**Eldon Heaston**  
Air Pollution Control Officer

accordance with all data and specifications submitted with the application for this permit. [40 CFR Part 60 Subparts 60.4205, and 60.4211]

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. [17 CCR 93115; 60.4207(b)]

3. A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time. [Title 17 CCR 93115.10(e)(1); 60.4209(a)]

4. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier. [17 CCR 93115; hours allowed by federal regulation 40 CFR 60.42(f) streamlined out as these permit requirements are more stringent than the federal regulatory requirements]

5. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 1.0 hrs per day for a total of 50 hours per year for testing and maintenance. [NSR and 17 CCR 93115; hours allowed by federal regulation 40 CFR 60.42(f) streamlined out as these permit requirements are more stringent than the federal regulatory requirements]

6. 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 (testing & maintenance, emergency, required emission testing, etc.);
- c. Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; 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.)

[District Rule 204; 17 CCR 93115.10]

7. If you are an owner or operator of a stationary CI internal combustion engine equipped with a diesel particulate filter to comply with the emission standards in 60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the owner or operator when the high backpressure limit of the engine is approached. [40 CFR 60.4209]

8. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115) and 40 CFR Part 60, Subpart IIII (NSPS). In the event of conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern. [District Rule 204]

9. All Facility reports including but not limited to; Annual (every twelve months) Compliance Certifications, Monitoring and Deviations Reports, Source Test Protocols and Reports and Comprehensive Emission Inventory (CEI) reports, shall be submitted electronically to the MDAQMD at [reporting@mdaqmd.ca.gov](mailto:reporting@mdaqmd.ca.gov). [District Rule 204]

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]