



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

E011547

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 FIRE PUMP consisting of: Year of Manufacture 2011, Tier III, EPA Engine Family BJDXL06.8105; CARB Executive Order: U-R-004-0429; EPA Certificate: JDX-NRCI-11-14; EPA Engine Complies with 40 CFR Part 60, Subpart IIII.

One John Deere, Diesel fired internal combustion engine Model No. 4045HFC28A,B,C,D and Serial No. PE4045L162845, Direct Injected, producing 156.9 bhp with 4 cylinders at 1760 rpm while consuming a maximum of 8.9 gal/hr. This equipment powers a Clarke Fire Pump Model No. 6AEF16G and Serial No. 9927021646-10-A, rated at 1760 rpm 76 bhp.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.1	gm/bhp-hr
NOx+NMHC	2.5	gm/bhp-hr
PM10	0.19	gm/bhp-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 accordance with all data and specifications submitted with the application for this permit.

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4911

SCC: 20100102

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

[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 be limited to use for emergency purposes, defined as in response to a fire. In addition, this unit shall be operated no more than 1.0 hour per day for a total of 50 hours per year for testing and maintenance. The 1.0 hour per day and 50 hours per year limit(s) can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled CI engine operated per and in accord and solely for the purpose to comply with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition. This requirement includes usage during emergencies.

[District Rules 1302(C)(2)(a), 1304 (D)(1)(a); 17 CCR 93115.3(n); 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. 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]

6. These engines may operate in response to fire suppression requirements and needs.

[District Rule 204]

7. 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]

8. 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.

[District Rule 204]

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]