



## 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

E010384

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 2025**

#### **OWNER OF OPERATOR (Co. #1771)**

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

#### **EQUIPMENT LOCATION (Fac. #3009)**

Ivanpah 3  
Ca/Nev border at Primm  
Ivanpah, CA 92364

#### **Description:**

DIESEL IC ENGINE, FIRE PUMP consisting of: Year of Manufacture 2012, Tier III, EPA Engine Family CJDXL13.5103; CARB Executive Order: Not Applicable; EPA Certificate: CJDXL13.5103-020; EPA Engine Complies with 40 CFR PART 60 SUBPART IIII. Facility Elevation is 973 meters above sea level.

One John Deere, Diesel fired internal combustion engine Model No. 6068HFC48 and Serial No. PE6068L228483, After Cooled, Direct Injected, Turbo Charged, Exhaust Gas Recirculation, Exhaust Gas Recirculation, High Pressure Fuel Injection (also EM), Electronic Control Module, producing 316 bhp with 6 cylinders at 2350 rpm while consuming a maximum of 12.2 gal/hr. This equipment powers a Clarke Pump Model No. 6AEF17 and Serial No. 9927021652-10-A, rated at 2350 rpm 158 bhp.

#### **EMISSIONS RATES**

| Emission Type | Est. Max Load | Unit      |
|---------------|---------------|-----------|
| CO            | 0.4           | gm/bhp-hr |
| NOx+NMHC      | 2.5           | gm/bhp-hr |
| PM10          | 0.07          | 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): 644E/3934N

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 VIII, LLC  
HCR1 Box 280  
Nipton, CA 92364

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

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 hrs 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 Rule 1302(C)(2)(a) and Rule 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](mailto: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]