



# 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

E013409

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: JANUARY 2027**

### OWNER OF OPERATOR (Co.#752)

Palo Verde Irrigation District  
180 West 14th  
Blythe, CA 92225

### EQUIPMENT LOCATION (Fac.#2782)

Palo Verde Irrigation Dist - N Hwy 95  
13600 N Hwy 95  
Blythe, CA 92225

### Description:

PROPANE IC ENGINE, EMERGENCY GENERATOR consisting of: Year of Manufacturer 2018, Engine Family, KPSIB5.70EMT-006:

One Caterpillar, Propane fired internal combustion engine Model No. 5.7L CATA and Serial No. 57L0013118, Turbo Charged, After Cooled, Electronic Control Module, producing 141 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 477 scf/hr. This equipment powers a Power Solutions Generator Model No. DG100-2 and Serial No. CATDG100JT3900257, rated at 92 kW.

### EMISSIONS RATES

| Emission Type | Est. Max Load | Unit      |
|---------------|---------------|-----------|
| CO            | 3.28          | gm/bhp-hr |
| NOx           | 1.91          | gm/bhp-hr |
| PM10          | 0.59          | gm/bhp-hr |
| PM2.5         | 0.59          | gm/bhp-hr |
| SOx           | 0.04          | gm/bhp-hr |
| VOC           | 0.10          | gm/bhp-hr |

### CONDITIONS:

Fee Schedule: 7 (g)

Rating: 141 device

SIC: 4971

SCC: 20201001

Location/UTM(Km):  
727E/3727N

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.

Palo Verde Irrigation District  
180 West 14th  
Blythe, CA 92225

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

1. This certified, stationary, spark-ignited, internal combustion engine shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which 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 60.4243(a)(1), Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines]

2. This unit shall be fired on Liquefied Petroleum Gas (LPG) fuel only.

[District Rule 1302(C)(2)(a)]

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

[District Rule 1302(C)(2)(a)]

4. 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 100 hours per year for testing and maintenance, excluding compliance source testing.

[40 CFR 60.4243(d), Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, Rule 1320]

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 two (2) 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);

c. Calendar year operation in terms of fuel consumption (in standard cubic feet or gallons) or total hours; and,

[40 CFR 60.4245, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines]

6. Engine may operate in response to notification of impending involuntary rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.

7. 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.

[40 CFR 60.4243(d), Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines]

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.

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