



## 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

E013645

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: NOVEMBER 2025

#### OWNER OF OPERATOR (Co. #834)

Joshua Basin Water District  
PO Box 675  
Joshua Tree, CA 92252

#### EQUIPMENT LOCATION (Fac. #2458)

Joshua Basin Water District - Var Loc  
District Wide  
MDAQMD, CA 92392

#### Description:

DIESEL IC ENGINE, PORTABLE EMERGENCY GENERATOR (GR4) consisting of: A certified Tier 2 diesel engine, USEPA Family 8DWXL21.9UYA, CARB EO UR-019-0103, Year of Manufacture 2008. Exhaust flow is 5530 acfm at 778 degrees Fahrenheit (1864 dscfm) through a TBD foot tall by TBD inch diameter stack.

One Doosan Diesel fired internal combustion engine Model No. P222FE and Serial No. EVYOB802135, Inter Cooled, Turbo Charged, producing 954 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 52.2 gal/hr. This equipment powers a Generac Generator Model No. 10362960300 and Serial No. 2100462, rated at 711 kW.

#### EMISSIONS RATES

| Emission Type | Est. Max Load | Unit      |
|---------------|---------------|-----------|
| CO            | 0.7           | gm/bhp-hr |
| NOx           | 3.8           | gm/bhp-hr |
| PM10          | 0.1           | gm/bhp-hr |
| PM2.5         | 0.1           | gm/bhp-hr |
| SOx           | 0.005         | gm/bhp-hr |
| VOC           | 0.20          | gm/bhp-hr |

#### CONDITIONS:

1. This certified portable diesel internal combustion engine shall be installed, operated and maintained in strict accordance with those

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4941

SCC: 20100102

Location/UTM(Km): 473E/3956N

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.

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

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.

[District Rule 1302]

2.This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days, excluding time spent at a designated storage site where the engine can NOT be used for emergency use. This engine must be moved annually for a valid operational reason.

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

3.This unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements; or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.

[Title 17 CCR 93116.3(a)]

4.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) and Title 17 CCR 93116]

5.This engine has been designated as "emergency" pursuant to Title 17 CCR 93116 and is therefore exempt from the fleet requirements of sections 93116.3(c)(1) and 93116.3(c)(2) pursuant to section 93116.3(c)(3)(B). In order to maintain this designation, this engine is 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 50 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour per year limit.

[Title 17 93116; Rule 204 (M&T hours derived from 17 CCR 93115)]

6.In the event that this engine operates for non-emergency use in a calendar year it becomes immediately subject to the requirements of section 93116.3(c)(1) or (c)(2) in the year such use occurs. The responsible official (owner/operator) must submit a request to convert the engine to regular use, subject to the limitations of section 93116.3(c)(6).

[Title 17 CCR 93116.2(a)(23) and 9.3116.3(c)(3)and(5)]

7.The owner/operator shall maintain a operations log for this unit 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 information specified below:

- a. Date of each use;
- b. Location of each use;
- c. Duration of each use (in hours as indicated by the hour timer);
- d. Reason for each use (testing & maintenance, emergency, required emission testing);
- e. Calendar year operation in terms of fuel consumption (in gallons) or total hours; and,
- f. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

[Title 17 CCR 93116]

8.The owner/operator shall not operate this emergency standby diesel-fueled CI engine for non-emergency use, including maintenance and testing, if the engine is located on school grounds whenever there is a school-sponsored activity and/or if the engine is located within 500 feet of school grounds between 7:30 a.m. and 3:30 p.m. on days when school is in session.

[District Rule 204]

9.The fleet of portable diesel engines under control of this owner/operator are subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent shall govern.

[Title 17 CCR 93116]

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]