



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

E011853

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: FEBRUARY 2027

OWNER OF OPERATOR (Co.#650)

Hesperia Water District
9700 7th Avenue
Hesperia, CA 92345

EQUIPMENT LOCATION (Fac.#1313)

Hesperia Water - Mojave St
17282 Mojave Street
Hesperia, CA 92345

Description:

DIESEL IC ENGINE, PORTABLE, EMERGENCY PUMP consisting of: A certified Tier 4i engine, USEPA family name CJDXL04.5130, manufactured in 2012.

One John Deere, Diesel fired internal combustion engine Model No. 4045TF290A and Serial No. PE4045R885524, Direct Injected, Turbo Charged, After Cooled, Electronic Control Module, Compression-Ignited, producing 74 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 4.2 gal/hr. This equipment powers a Godwin Pump Model No. CD150M and Serial No. 12611870-11, rated at 1700 gpm.

EMISSIONS RATES

| Emission Type | Est. Max Load | Unit |
|---------------|---------------|-----------|
| CO | 0.89 | gm/bhp-hr |
| NOx | 3.26 | gm/bhp-hr |
| PM10 | 0.216 | gm/bhp-hr |
| SOx | 0.006 | gm/bhp-hr |
| VOC | 0.17 | gm/bhp-hr |

CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 9199

SCC: 20200102

Location/UTM(Km):
472E/3808N

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.

Hesperia Water District
9700 7th Avenue
Hesperia, CA 92345

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

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. 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 (C)(2)(a)]

2. This diesel engine and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This system must be moved within this facility or moved to another facility annually.
[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. 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 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 CCR 93116.2]

5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time by January 1, 2012.
[Title 17 CCR 93116.4(c)(2)(A)]

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 (regular prime use, emergency, testing & maintenance, etc.);
c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
d. Fuel sulfur concentration (may use the supplier's certification of sulfur content if it is maintained as part of this log).
[Title 17 CCR 93116.4(c)(2)(C)]

7. The fleet* (engines <175 hp) under control of this owner/operator is subject to and shall comply with the weighted Diesel Particulate Matter (DPM) emission fleet averages** expressed as grams per brake horsepower-hour (g/bhp-hr) of Title 17 CCR Section 93116.3(c) & (d) by the following dates:

// Compliance Date // Weighted DPM (g/bhp-hr)
January 1, 2013 // 0.3
January 1, 2017 // 0.18
January 1, 2020 // 0.04

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* Fleet is defined in Title 17 CCR Section 93116.2(p) as one or more portable unit(s).

** The method used to calculate the Fleet Average is found in Title 13 CCR 93116.3(d).

8. The owner/operator of this unit must submit a Statement of Compliance signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information required by Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

// Weighted DPM Emission Fleet Average Date // Submit Statement by
January 1, 2013 // March 1, 2013
January 1, 2017 // March 1, 2017
January 1, 2020 // March 1, 2020

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9. The owner/operator of fleets that are exempted from the requirements of section 93116.4 pursuant to section 93116.4(a), the Responsible Official shall certify that all portable diesel-fueled engines in the fleet satisfy the requirements of section 93116.4(a). See Title 17 CCR 93116.4(f) for details.

10. This unit shall not operate within 1000 feet of the outer boundary of any K-12 school. Such operation will require the submittal of an application for a revised permit to operate so that the applicable requirements of the California Health and Safety Code Section 42301.6 will be met.

[District Rule 1302 and H&S Code 42301.6]

11. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater (Title 17 CCR 93116).

12. The facility shall submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.

[District Rule 1302]