



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

14306 Park Avenue Victorville, CA 92392-2310  
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

**INACTIVE**

E008300

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: NOVEMBER 2010**

**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, EMERGENCY GENERATOR @ WELL #14 consisting of: Year of Mfg tbd,

One Cummins/Onan, Diesel fired internal combustion engine Model No. VTA-28-G1 and Serial No. KTA504160, Direct Injected, Turbo Charged, After Cooled, Inter Cooled, producing 675 bhp with 12 cylinders at 1500 rpm while consuming a maximum of gal/hr. This equipment powers a Generator Model No. and Serial No. , rated at 600 KW.

**EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	7.1	gm/bhp-hr
NOx	10.7	gm/bhp-hr
PM10	0.5	gm/bhp-hr
SOx	0.61	gm/bhp-hr
VOC	1.2	gm/bhp-hr

**CONDITIONS:**

1. This equipment 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.

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**  
**Eldon Heaston**  
Air Pollution Control Officer

2. This diesel ICE 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(bb)]

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) a weight per weight basis per CARB Diesel or equivalent requirements.

4. 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)].

5. 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 20 hours per year for testing, load bank and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit. [Title 17 CCR Section 93116.2(u)]

6. Engine may operate in response to notification of impending 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. [Title 17 CCR Section 93116.2(u)]

7. The owner/operator (o/o) shall maintain a operations log for this unit current and on-site, either at the engine location or at a on-site location, for a minimum of five (5) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, 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 gallons) and total hours; and,
- d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

8. The o/o of this unit must submit a Status Report for the entire fleet\* by March 1, 2011. This Status Report should include, but not limited to the following, for details see Title 17 CCR 93116.4(e)(1):

- a. The fleet's weighted average PM emission rate for the 2010 calendar year,
- b. Inventory of portable engines in the fleet,
- c. Identify, if applicable, each portable diesel-fueled engine that the owner commits to replacing with a Tier 4 engine,
- d. Listing of portable diesel-fueled engines, if applicable, used exclusively in emergency applications,
- e. Listing of portable diesel-fueled engines, if applicable, satisfying the low-use engine requirements,
- f. Listing of portable alternative-fueled engines, if applicable, added to the fleet prior to January, 1, 2009, pursuant to section 93116.3(d)(2)(B)2, and
- g. Listing of portable diesel-fueled engine(s) equipped with Selective Catalytic Reduction (SCR) system(s),

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

9. That this emergency portable diesel-fueled engine will be replaced or modified in accord with the following schedule;

a. Replaced with a Tier 4 emission standard portable diesel-fueled engine within two years of the first engine being offered for sale that satisfies the Tier 4 emission standards, or. [Title 17 CCR 93116.3(b)(1)(B)2]

b. By January 1, 2020 satisfy one of the following requirements:

1. The portable diesel-fueled engine is certified to Tier 4 emission standards for newly manufactured nonroad engines; or

2. The portable diesel-fueled engine is equipped with a properly functioning level-3 verified technology; or

3. The portable diesel-fueled engine is equipped with a combination of verified emission control strategies that have been verified together to achieve at least 85% reduction in Diesel Particulate Matter (DPM) emissions.

10. If this emergency portable diesel-fueled engine is to be replaced with a portable diesel-fueled engine certified to the Tier 4 emission standards, then the o/o and/or responsible Official shall submit in written statement to that effect by March 1, 2011. [Title 17 CCR 93116.3(b)(1)(B)1]

11. The fleet\* under control of the o/o 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 Weight DPM (g/bhp-hr)

January 1, 2013 0.30

January 1, 2017 0.18

January 1, 2020 0.04

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

\*\* The method used to calculate the Fleet Average is found in Title 17 CCR 93116.3(d).

12. The o/o 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; see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

Weight DPM Emission Fleet Average Date Submitted by

January 1, 2013 March 1, 2013

January 1, 2017 March 1, 2017

January 1, 2020 March 1, 2020

13. The o/o 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.

14. The o/o and/or Responsible Official of a fleet electing to use electrification in determining the fleet average shall submit the report required by Title 17 CCR 93116.4(c)(3) by January 1, 2012.

15. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.