



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

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

**INACTIVE**

E010784

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: JUNE 2012**

**OWNER OF OPERATOR (Co.#1022)**

SBCo Fire Department  
157 W 5th St, 2nd Fl, Accounts Payable  
San Bernardino, CA 92415-0451

**EQUIPMENT LOCATION (Fac.#3205)**

County Fire Station Park Moabi (c/o Station 31)  
Park Moabi, CSA 38  
Needles, CA 92363

**Description:**

DIESEL IC ENGINE, PORTABLE EMERGENCY GENERATOR consisting of: Year of Manufacture

One Cummings, Diesel fired internal combustion engine Model No. 4BT-3.9 and Serial No. 44401355, Direct Injected, Turbo Charged, producing 102 bhp with 4 cylinders at 1800 rpm while consuming a maximum of . This equipment powers a Onan Generator Model No. 60DGCBL and Serial No. 12896279405, rated at 60 Kw.

**EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	3.03	gm/bhp-hr
NOx	14.06	gm/bhp-hr
PM10	0.998	gm/bhp-hr
SOx	0.002	gm/bhp-hr
VOC	1.139	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: 9224

SCC: 20100102

Location/UTM(Km):  
718E/3858N

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 footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)
3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15 ppm on a weight per weight basis per CARB Diesel or equivalent requirements. (Title 17 CCR Section 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.
5. This unit shall be limited to use for emergency power, as defined below. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit.

Emergency is defined as:

- (1) the failure or loss of all or part of normal electrical power service or normal natural gas supply to the facility:
  - (A) which is caused by any reason other than the enforcement of a contractual obligation the owner or operator has with a third party or any other party; and
  - (B) which is demonstrated by the owner or operator to the district APCO s satisfaction to have been beyond the reasonable control of the owner or operator;
- (2) the failure of a facility s internal power distribution system:
  - (A) which is caused by any reason other than the enforcement of a contractual obligation the owner or operator has with a third party or any other party; and
  - (B) which is demonstrated by the owner or operator to the district APCO s satisfaction to have been beyond the reasonable control of the owner or operator;
- (3) the pumping of water or sewage to prevent or mitigate a flood or sewage overflow;
- (4) the pumping of water for fire suppression or protection;
- (5) the pumping of water to maintain pressure in the water distribution system for the following reasons:
  - (A) pipe break; or
  - (B) high demand on water supply system due to high use of water for fire suppression;
- (6) the breakdown of electric-powered pumping equipment at sewage treatment facilities or water delivery facilities;
- (7) the training of personnel in the use of portable equipment for emergency purposes.

6. The o/o 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 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).

7. This is a Tier 0 engine therefore the o/o shall only operate this engine as a low-use engine; shall NOT operate more than 80 hours per calendar year, and shall provide written notification to the District committing to replacing this engine with a Tier 4 engine within two (2) years of the first engine being offered for sale that satisfies the Tier 4 emission standards, or the highest legally required Tier engine. (Tier 4 engines are phased in by horsepower size range beginning in 2013). (Title 17 CCR Section 93116.3 (b)(1))

8. Prior to January 1, 2020 this emergency Tier II engine must comply with on of the following:

- (a) the portable diesel-fueled engine is certified to Tier 4 emission standards for newly manufactured nonroad engines; or
- (b) the portable diesel-fueled engine is equipped with a properly functioning level-3 verified technology; or
- (c) 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 PM emissions.

9. 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 unit(s).

10. 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.

11. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c).

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Fleet Standard Compliance:

Date	Engines <175 hp	Engines >175 to 749 hp	Engines >750 hp
	(g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)

1/1/2013	0.30	0.15	0.25
1/1/2017	0.18	0.08	0.08
1/1/2020	0.04	0.02	0.02

Fleet is defined in Title 17 CCR Section 93116.2(16).

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:

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

13. This portable equipment shall not be operated and/or located within 1,000 feet of a public or private school (kindergarten through 12th grade) of more than 12 students for more than 45 consecutive days without completing the notification required by Health and Safety Code \S\S 42301.6.

14. The o/o shall not operate this portable emergency diesel-fueled IC engine for non-emergency use, including maintenance and testing, during school hours or whenever there is a school-sponsored activity, if located within the boundary of a school (K-12).

15. This unit is 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.

16. Pursuant to Regulation XIII, and ATCM Title 17 CCR 93116; this engine shall not be operated for more than 7 hours in any calendar day (24 hour period) and no more than 80 hours per calendar year, including emergency use.