



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

RENEWAL

E004002

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: JULY 2025

OWNER OF OPERATOR (Co. #690)

3E Company/Home Depot
2455 Paces Ferry Road, N.W.
Atlanta, GA 30339-4024

EQUIPMENT LOCATION (Fac. #1376)

Home Depot #665
15150 Bear Valley Road
Victorville, CA 92392

Description:

DIESEL IC ENGINE, EMERGENCY FIRE PUMP consisting of:

One Cummins, Diesel fired internal combustion engine Model No. 6BTA5.9F2 and Serial No. 44818587, producing 110 bhp with 6 cylinders at 1760 rpm while consuming a maximum of 9.0 gal/hr. This equipment powers a Peerless Pump Company Fire Pump Model No. 6ALF14 and Serial No. 93357433479497F, rated at 85 RPM.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	1.31	gm/bhp-hr
NOx	4.94	gm/bhp-hr
PM10	0.25	gm/bhp-hr
SOx	0.63	gm/bhp-hr
VOC	0.77	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.

[40 CFR 63.6605(a) and 63.6605(b)]

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 5211

SCC: 20100102

Location/UTM(Km): 473E/3820N

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.

3E Company/Home Depot
Reg. Dept.

Carlsbad, CA 92010

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

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 63.6605(a) and 63.6605(b)]

2.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[17 CCR 93115.10(d)]

2.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this equipment to indicate elapsed engine operating time.
[17 CCR 93115.10(d)]

3.This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

- a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
- b. A cetane index or aromatic content, as follows:
 - (i) A minimum cetane index of 40; or,
 - (ii) A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a), 40 CFR 80.510(c), and 40 CFR 63.6604]

Note: Use of CARB certified ULSD fuel satisfies these requirements.

3.This equipment shall only be fired on diesel fuel that meets the following requirements, or an alternative fuel approved by the ATCM for Stationary CI Engines:

- a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
- b. A cetane index or aromatic content, as follows:
 - (i) A minimum cetane index of 40; or,
 - (ii) A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a), 40 CFR 60.4207(b) and 40 CFR 1090.305]

Note: Use of CARB certified ULSD fuel satisfies these requirements.

4.This equipment shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. In addition, this unit shall be operated no more 20 hours per year for testing and maintenance.

[District Rule 1303 - basis: daily limit for BACT; 17 CCR 93115.6(b)(3)]

4.This equipment shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. In addition, this unit shall be operated no more 20 hours per year for testing and maintenance.

[District Rule 1303 - basis: daily limit for BACT; 17 CCR 93115.6(b)(3)]

5.The hour limits indicated in condition 4, above, do not apply to in-use emergency fire pump assemblies that are driven directly by stationary diesel-fueled CI engines and only operated the number of hours necessary to comply with the testing requirements of National Fire Protection Association (NFPA) 25 "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 2002 edition, which is incorporated herein by reference.

[17 CCR 93115.3(n)]

5.The hour limits indicated in condition 4, above, do not apply to in-use emergency fire pump assemblies that are driven directly by stationary diesel-fueled CI engines and only operated the number of hours necessary to comply with the testing requirements of National Fire Protection Association (NFPA) 25 "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 2002 edition, which is incorporated herein by reference.

[17 CCR 93115.3(n)]

6.The owner/operator shall maintain an operations log for this equipment 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/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:

- a. Date(s) of each use and hours of operation;

- b. Reason for use (regular maintenance & testing, NFPA maintenance & testing, emergency, etc.
 - c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) and/or total hours (both emergency and non-emergency use, classified as described in b. above);
 - d. Fuel sulfur concentration as required by condition #3 above (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log); and
 - e. Maintenance performed on this equipment.
- [17 CCR 93115.10(f)]

6. The owner/operator shall maintain an operations log for this equipment 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/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:

- a. Date(s) of each use and hours of operation;
 - b. Reason for use (regular maintenance & testing, NFPA maintenance & testing, emergency, etc.
 - c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) and/or total hours (both emergency and non-emergency use, classified as described in b. above);
 - d. Fuel sulfur concentration as required by condition #3 above (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log); and
 - e. Maintenance performed on this equipment.
- [17 CCR 93115.10(f)]

7. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115) and the Reciprocating Internal Combustion Engine National Emission Standard for Hazardous Air Pollutants (NESHAP) (40 CFR part 63 subpart ZZZZ).

[Title 17 CCR 93115; 40 CFR part 63 subpart ZZZZ]

7. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115) and the Reciprocating Internal Combustion Engine National Emission Standard for Hazardous Air Pollutants (NESHAP) (40 CFR part 63 subpart ZZZZ).

[Title 17 CCR 93115; 40 CFR part 63 subpart ZZZZ]

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]

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]