



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

E003368

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: DECEMBER 2016

OWNER OF OPERATOR (Co.#500)

ACE Cogeneration Company
12801 S Mariposa Street
Trona, CA 93562

EQUIPMENT LOCATION (Fac.#1051)

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Description:

DIESEL IC ENGINE, EMERGENCY FIRE PUMP consisting of: Year of Manufacture: 1998; Tier 1

One 1988 Cummins, Diesel fired internal combustion engine Model No. NTA855F and Serial No. 11440677, producing 400 bhp with 12 cylinders at 2100 rpm while consuming a maximum of 20.0 gal/hr. This equipment powers a NULL Fire Pump Model No. NULL and Serial No. NULL, rated at NULL.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	3.033	gm/bhp-hr
NOx	14.074	gm/bhp-hr
PM10	0.9988	gm/bhp-hr
SOx	0.9307	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, or as required by NESHAP Subpart ZZZZ as summarized below. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [Rule 204; NESHAP Subpart ZZZZ]

2. A non-resettable four-digit (9,999) hour meter or timer shall be installed and maintained on this unit to indicate elapsed engine operating time. [17 CCR §93115]

Fee Schedule: 7 (i) Rating: 1 device SIC: 4911 SCC: 20100102 Location/UTM(Km): 465E/3958N

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

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) on a weight per weight basis per CARB Diesel or equivalent requirements. [17 CCR \S93115]

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 0.5 hrs per day for a total of 50 hours per year for testing and maintenance. The 50 hour limit can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled CI engine operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition. This requirement includes usage during emergencies. [[District Rule 1302(C)(2)(a) and Rule 1304 (D)(1)(a)] and 17 CCR 93115.3(n)] [Hours allowed by federal regulation 40 CFR 60.42(f) streamlined out as these permit requirements are more stringent than the federal regulatory requirements.]

5.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 (testing & maintenance, emergency, required emission testing, etc.); c. Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; 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.) [17 CCR 93115]

6.This engine may operate in response to fire suppression requirements and needs. [Rule 204]

7.This engine is subject to the requirements of NESHAP Subpart ZZZZ and as such the owner/operator shall comply with the following maintenance and operation schedule as summarized: a. Change oil and filter every 1,000 hours of operation or annually, whichever comes first b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary d. Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply. [Rule 204; NESHAP Subpart ZZZZ]

8.This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115), and the NESHAPs subpart ZZZZ. In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern. [Rule 204]