



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B008731

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JULY 2012

OWNER OF OPERATOR (Co.#753)

Crawford Associates
2635 E Chanslorway Ave
Blythe, CA 92225

EQUIPMENT LOCATION (Fac.#1476)

Crawford Associates - Chanslorway
2635 E Chanslorway Ave
Blythe, CA 92225

Description:

DIESEL IC ENGINE, GENERATOR consisting of: Equipped with a catalytic converter

One Caterpillar, Diesel fired internal combustion engine Model No. 3116 DITAJWAC and Serial No. 2SG00550, Direct Injected, producing 192 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 10.0 gal/hr. This equipment powers a Caterpillar Generator Model No. and Serial No. 2SG00550, rated at 143 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	259.0	gm/hr
NOx	1425.0	gm/hr
PM10	54.0	gm/hr
VOC	69.0	gm/hr

CONDITIONS:

1. The owner/operator (o/o) shall install, operate and maintain this equipment 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: 1 (b)

Rating: 192 bhp

SIC: 3272

SCC: 20100102

Location/UTM(Km):
725E/3273N

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.

Crawford Associates
P.O. Box 807
Blythe, CA 92225

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

2. This unit shall only be fired on diesel fuel whose sulfur concentration is less than or equal 0.0015% or 15 ppm per CARB Diesel or equivalent requirements. [17 CCR \S93115.5(a)]
3. The Diesel Particulate Matter (DPM) emissions from this engine must be vented to a MINE-X model DC12-5 catalytic converter manufacturer by DCL International. [17 CCR \S93115.7(b)(1)(C)]
4. The DPM emissions emitted by this engine shall be equal to or less than 0.01 g/bhp-hr, on or before July 1, 2011. [17 CCR \S93115.7(B)(1)(C)]
5. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. [17 CCR \S93115.10(e)(1)]
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, with records kept on-site for two (2) years and this log shall be provided to District, State and/or Federal personnel upon request. The operations log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);
 - b. Calendar year operation in terms of fuel consumption (in gallons) and total hours;
 - c. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log);
 - d. Catalytic converter backpressure measurements; and,
 - e. Engine hours when maintenance was done on the engines and on the catalyst.
7. The oxides of nitrogen (NOx), hydrocarbon (HC), and carbon monoxide (CO) emissions from this engine must comply with either Tier 1 requirements or no more than a 10% increase from the inlet to the Catalytic Converter. The Tier 1 emission limits are as follows:
 - a. NOx - 6.9 g/bhp-hr
 - b. HC - 1.1 g/bhp-hr
 - c. CO - 8.5 g/bhp-hr{17 CCR \S93115.7(b)(2)}
8. The the catalytic converter backpressure shall be measured and recorded initially and every three months or 1000 hours of operation thereafter (whichever comes first).
9. When the backpressure increases by more than 75 mm (3 inches w.c.) over the initial measurement, or if backpressure exceeds the maximum allowed by the engine manufacturer, this engine shall not be operated until the catalytic converter is removed and cleaned per DCL International s instructions.
10. This unit shall be operated for no more than 8 hours per day.
11. This diesel fired ICE is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.