



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

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

**INACTIVE**

B008029

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: FEBRUARY 2014**

**OWNER OF OPERATOR (Co.#508)**

Union Pacific Railroad Co  
2015 S Willow St. Manager of Env Field Ops  
Bloomington, CA 92316

**EQUIPMENT LOCATION (Fac.#2275)**

Union Pacific Railroad - Mile Pole 226.0  
Kerens, near  
Kelso, CA 92309

**Description:**

IC ENGINE GENERATOR, DIESEL (KERENS) consisting of: with 2000 gal diesel day tank

One Caterpillar, Diesel fired internal combustion engine Model No. 3208 and Serial No. 30A05737, Direct Injected, Turbo Charged, producing 241 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 12.0 gal/hr. This equipment powers a Franklin Electric Pump Model No. 2396036021 and Serial No. TBD, rated at 75 hp submersible water pump.

**EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	1.19	lbs/hr
NOx	3.2	lbs/hr
PM10	0.39	lbs/hr
SOx	0.08	lbs/hr
VOC	0.37	lbs/hr

**CONDITIONS:**

1. This uncertified (Tier 0) engine cannot be operated until the diesel Particulate Matter (PM) emissions are reduced by a minimum of 85% or reduced below 0.01 g/bhp-hr. A permit modification request must be submitted to the District prior to the installation of any emission control device designed to meet these emission limits. [17 CCR 93115.7(b)]

Fee Schedule: 1 (c)

Rating: 241 bhp

SIC: 4013

SCC: 20100102

Location/UTM(Km):  
624E/3877N

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.

Union Pacific Railroad Co  
2401 E. Sepulveda Blvd.  
  
Long Beach, CA 90810

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

2. This diesel engine, and any associated air pollution control equipment, shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and/or in a manner consistent with safety and good air pollution control practices for minimizing emissions. 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 63.6625(e) and 63.6605 (b)]

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

[17 CCR 93115.5(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.

[17 CCR 93115.10(d)]

5. The Diesel Particulate Matter emission from this diesel engine must be equal to or less than 0.01 grams per brake horsepower-hour.

[17 CCR 93115.7(b)]

6. The owner/operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup apply.

[40 CFR 63.6625(h)]

7. 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. Monthly and calendar year operation in terms of total hours [17 CCR 93115.10(e)]; and,

b. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log); and,

c. Maintenance performed on this equipment, inclusive of the management practice requirements of condition 7 below [40 CFR 63.6655(a)(4)]; and,

d. Records of the occurrence and duration of each malfunction of operation ( i.e., process equipment) or the air pollution control and monitoring equipment [40 CFR 63.6655(a)(2)]; and,

e. Records of actions taken during periods of malfunction to minimize emissions in accordance with condition 1, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation [40 CFR 63.6655(a)(5)].

8. This engine is subject to the requirements of 40 CFR 63, Subpart ZZZZ, and pursuant to this federal regulation, this engine is required to meet the following compliance requirements by May 3, 2013:

The owner/operator of this equipment shall demonstrate continuous compliance by committing to a maintenance schedule inclusive of the management practice requirements listed below:

a. Change oil and oil filter every 1,000 hours of operation or annually, whichever comes first (source has the option to utilize an oil analysis program pursuant to 40 CFR 63.6625(i) in order to extend the specified oil change requirement.);

b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and,

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63.6603(a) and 63.6640(a)]

9. The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request.

10. This diesel engine is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115) and 40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (NESHAP).