



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

**INACTIVE**

**E011832**

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: MAY 2017**

### **OWNER OF OPERATOR (Co. #453)**

Victor Valley Wastewater Reclamation Authority  
20111 Shay Road  
Victorville, CA 92394

### **EQUIPMENT LOCATION (Fac. #3445)**

VVWRA - Upper Mojave Narrows Site #2  
17500 Mana Road  
Apple Valley, CA 92307

#### **Description:**

DIESEL IC ENGINE, TEMPORARY EMERGENCY SEWAGE PUMP consisting of: A certified Tier III diesel engine, EPA Families BJDXL04.5144 AND BJDXL04.5107, manufactured in 2013 with no exhaust after-treatment device installed, in support of a Federal Emergency Management Agency (FEMA) coordinated temporary emergency sewage pumping project.

One John Deere, Diesel fired internal combustion engine Model No. 4045TF285B and Serial No. PE4045L211118, Compression-Ignited, Direct Injected, Electronic Control Module, Inter Cooled, Smoke Puff Limiter, Turbo Charged, producing 99 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 10.7 gal/hr. This equipment powers a Godwin Pump Model No. CD225M and Serial No. TBD, rated at 3200 gpm.

#### **EMISSIONS RATES**

| Emission Type | Est. Max Load | Unit      |
|---------------|---------------|-----------|
| CO            | 0.67          | gm/bhp-hr |
| NOx           | 2.83          | gm/bhp-hr |
| PM10          | 0.22          | gm/bhp-hr |
| SOx           | 0.005         | gm/bhp-hr |
| VOC           | 0.15          | gm/bhp-hr |

#### **CONDITIONS:**

Fee Schedule: 7 (g)      Rating: 1 device      SIC: 4952      SCC: 20200102      Location/UTM(Km): 482E/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.

Victor Valley Wastewater Reclamation  
Authority  
P.O. Box 370  
Adelanto, CA 92301

By: **COPY**  
**Brad Poiriez**  
Air Pollution Control Officer

1.This certified stationary compression-ignited internal combustion engine shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of air 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 60.4211(a), District Rule 1302]

2.This engine shall be limited to use for emergency pumping of raw sewage as mandated by FEMA. In addition, this engine shall be operated no more than 50 hours per year for testing and maintenance. [17 CCR 93115.6(a)(3)(1)(c)]

3.This engine shall not be allowed to operate past 07/31/2016. [District Rule 1302]

4.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)]

5.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) and 40 CFR 60.4207(b)]

Note: CA Ultra Low Sulfur Diesel (ULSD) fuel meets the cetane and aromatic content requirement of subparagraph 5.b.

6.The owner/operator shall maintain an operations log for this engine 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 following information:

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/or total hours;

d. Fuel sulfur concentration and cetane index, as required by condition #5 (the o/o 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 engine shall not be operated for non-emergency use, including maintenance and testing, during the following periods:

(A) whenever there is a school sponsored activity, and

(B) between 7:30 a.m. and 3:30 p.m. on days when school is in session. [17 CCR 93115.6(a)]

8.This engine is subject to the requirements of Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and this ATCM or NSPS, the more stringent requirements shall govern. [District Rule 1302]

9.The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request. [District Rule 1302]