



# MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

## AUTHORITY TO CONSTRUCT

B014781

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

**EXPIRES LAST DAY OF: DECEMBER 2026**

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

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

### EQUIPMENT LOCATION (Fac.#4355)

VVWRA - Various Locations  
District Wide  
MDAQMD, CA 92392

### **Description:**

DIESEL IC ENGINE, PORTABLE WATER PUMP consisting of: A certified Tier 3 diesel-fueled engine, EPA Engine Family AJDXL04.5112. Engine Exhaust Flow is TBD cfm at TBD Degrees F. Stack height is TBD feet high and Stack Diameter is TBD inches. Equipment elevation is 2607 feet above sea level. PERP Registration Number: 154819

One John Deere, Diesel fired internal combustion engine Model No. 4045TF280 and Serial No. PE4045L147001, Direct Injected, Turbo Charged, Compression-Ignited, producing 80 bhp with 4 cylinders at 2400 rpm while consuming a maximum of 8.91 gal/hr. This equipment powers a Godwin Pump Model No. CD150M and Serial No. 1063449 18, rated at TBD.

### **EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	0.895	gm/bhp-hr
NOx	3.12	gm/bhp-hr
NOx+NMHC	3.28	gm/bhp-hr
PM10	0.246	gm/bhp-hr
PM2.5	0.234	gm/bhp-hr
SOx	0.011	gm/bhp-hr
VOC	0.164	gm/bhp-hr

### **CONDITIONS:**

Fee Schedule: 1 (b)

Rating: 80 bhp

SIC: 4952

SCC: 20200102

Location/UTM(Km):  
467E/3831N

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**  
Eldon Heaston  
Air Pollution Control Officer

1. This certified Tier 3 compression-ignited internal combustion engine and the associated emission control systems 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.

[District Rule 1302(C)(2)(a)]

2. This engine 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; or alternative diesel fuel, or CARB diesel fuel utilizing fuel additives, that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.

[Title 17 CCR 93116.3(a)]

3. This engine and its associated equipment cannot be operated at the same location for more than 365 consecutive days. This equipment must be moved for a valid business purpose annually.

[District Rules 1302, 1303, and 1320 and Title 17 CCR 93116.2(a)(29)]

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

[District Regulation XIII - NSR]

5. This equipment shall not operate for more than 2000 hours while located at the 20111 Shay Road facility or the 18499 Shay Road facility in any consecutive 12 month period. For any other location within the VVWRA Service Area, this equipment shall not operate for more than 400 hours in any consecutive 12 month period. Before either limitation can be increased, the facility is required to submit to the District an application to modify the permit, which may trigger BACT review and may necessitate a Health Risk Assessment (HRA). In addition, public notice and/or a commenting period may be required.

[District Rules 1302, 1303, and 1320]

6. This engine shall not be operated unless all of the following emission control systems are properly functioning:

- a. Direct Diesel Injection; and
- b. Turbocharger.

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.

[District Rule 1302]

7. 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, location (decimal degrees, xx.xxxx;-yyy.yyyy), and duration of each use (in hours);
- b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- c. Date of each maintenance action or repair on any equipment noted in Condition #6;
- d. Description of each maintenance action or repair on any equipment noted in Condition #6; and
- e. Fuel sulfur concentration as required by condition #2 (you may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Regulation XIII - NSR]

8. This engine is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.

[District Rule 1302 and Title 17 CCR 93116]

9. This engine is operated as a part of a large fleet, defined as total maximum horsepower of greater than 750 for all portable engines under common ownership and control by a person, business, or government agency that are operated in California, and meets the applicability listed in 17 Cal. Code Regs., section 93116.1. This USEPA Tier 3 certified engine may not be operated in California on or after January 1, 2027 unless the engine meets one of the following:

- a. The engine has been designated as low-use, in accordance with Title 13 CCR 2453(p); or
- b. The engine has been designated as emergency, in accordance with Title 13 CCR 2453(p); or
- c. The engine has been equipped with a properly functioning level-3 verified technology.

[Title 17 CCR 93116.3(c)(1)(A)]

In order to designate these engines as low-use or emergency, the owner/operator must submit an application to the District to modify this permit, in addition to submitting a modification to CARB via PERP Form 20 (Application for a Correction or Modification to an Existing Registration) according to the provisions of Title 13 CCR 2453(p).

"Level-3 Verified Technology" means a technology that has satisfied the requirements of the "Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines" in title 13, Cal. Code Regs., commencing with section 2700, and has demonstrated a reduction in diesel particulate matter of 85 percent or greater. In order to install a level-3 technology, the owner/operator must submit an application to the District to modify this permit.

10. This USEPA Tier 3 certified engine may not be sold, or offered for sale, to an end user in California on or after January 1, 2029. The sale of engines for resale outside of California is not prohibited.

[Title 17 CCR 93116.3(e)]

11. This engine shall not be used within 1000 feet of any K-12 school, residence, hospital, or other sensitive receptor location. Sensitive receptor locations include, but are not limited to, hospitals, schools, and day care centers, and such other locations as the District board or California Air Resources Board may determine.

[District Rule 204 and H&SC 42301.6]

12. 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]