MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

RENEWAL

B012706

Renewal type Permit has no description information.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#86)

MAGTFTC MCAGCC
Box 788110, Bldg 1418
Twentynine Palms, CA 92278-8110

EQUIPMENT LOCATION (Fac.#3247)

USMC AGCC - USMC Facilities
Box 788110, Bldg. 1451
Twentynine Palms, CA 92278

Description:
DIESEL IC ENGINE, PORTABLE WATER PUMP consisting of: Year of Manufacture 2015, tier 4F, US EPA Engine Family FVPXL07.7CJA, CARB E.O. UR-014-0142. Equipped with a urea tank. Stack Data (at full load and max rpm): Temp; 1021 FGas Flow; 28.9 m3/minMax allowable back pressure in exhaust line (after turbine); 3.2 psiMax allowable temp. drop between turbine and SCR muffler inlet; 27 FSCR muffler pressure drop 2.0.

One Volvo Penta, Diesel fired internal combustion engine Model No. TAD872VE and Serial No. 7008420578, After Cooled, Air-To-Fuel Ratio Controller, Direct Injected, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Selective Catalytic Reduction, Selective Catalytic Reduction, Smoke Puff Limiter, Turbo Charged, producing 286 bhp with 6 cylinders at 2200 rpm while consuming a maximum of 14.4 gal/hr. This equipment powers a Godwin Pump Model No. HL150M and Serial No. 16634327/01, rated at 210kW@2200rpm.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.08	gm/bhp-hr
NOx	0.14	gm/bhp-hr
PM10	0.015	gm/bhp-hr
SOx	0.004	gm/bhp-hr
VOC	0.01	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (c) | Rating: 286 bhp | SIC: 9711 | SCC: 20200102 | Location/UTM(Km): 587E/3788N

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.

MAGTFTC MCAGCC
Box 788110, Building 1418

Twentynine Palms, CA 92278-8110

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

1. This EPA Tier 4F diesel engine, and the selective catalytic reduction- including urea tank, electronic control module, and exhaust gas recirculation system, shall be installed, operated, and maintained in strict accord with those recommendations of the manufacturer/supplier and 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.
[District Rule 1302]

2. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days, excluding time spent at a dedicated storage facility. (This system must be moved for a valid business purpose within this facility or moved to another facility annually.)
[Title 17 CCR 93116.2(a)(29)]

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) 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.
Note: Use of CARB ULSD satisfies this requirement.
[Title 17 CCR 93116.3(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.
[Title 17 CCR 93116.4(c)(2)(A)]

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. Location of use, to demonstrate that this equipment meets the requirements of 17 CCR 93116.2(bb);
c. Calendar year operation in terms of fuel consumption (in gallons) or total hours; 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).
[Title 17 CCR 93116.4(c)]

6. This portable equipment shall not be operated and/or located with 1,000 feet of a public or private school (kindergarten through 12th grade) of more than 12 students for more than 45 consecutive days without completing the notification required by Health and Safety Code 42301.6.

7. This unit 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]

8. In each calendar year, the actual emissions of this facility shall be less than 20 tons NOx, 20 tons VOC, and 12 tons PM10 (SM80 Emission Rate). The owner/operator shall demonstrate compliance with this limit on an annual basis through the submission of the Comprehensive Emission Inventory Report (CEIR) to the District. Copies of the CEIR(s) must be kept and maintained on-site for at least five years and presented to District personnel upon request.
[District Rule 221; District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]