



# MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

## PERMIT TO OPERATE

E014450

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

**EXPIRES LAST DAY OF: OCTOBER 2026**

### OWNER OF OPERATOR (Co. #2987)

Iron Mountain  
12210 Innovation Way  
Victorville, CA 92394

### EQUIPMENT LOCATION (Fac. #4203)

Iron Mountain  
12210 Innovation Way  
Victorville, CA 92394

#### Description:

DIESEL IC ENGINE, EMERGENCY FIRE PUMP consisting of: A Certified Tier 3 diesel engine, USEPA family MJDXL06.8120, manufactured in 2021. Exhaust flow approximately 1186 acfm, at 860 degrees Fahrenheit through a 16 foot high by 5 inch diameter exhaust stack. Equipment is located at an elevation of 2880 feet above MSL.

One Clarke/John Deere Co., Diesel fired internal combustion engine Model No. JU6H-UFADK0 and Serial No. PE6068N020637, Direct Injected, Turbo Charged, Four-Stroke Lean Burn, producing 175 bhp with 6 cylinders at 2350 rpm while consuming a maximum of 11 gal/hr. This equipment powers a ITT A-C Fire Pump Model No. H8X8X12F Horizontal Split Case and Serial No. 22-094172-01-01, rated at 2000 GPM.

#### EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.8948	gm/bhp-hr
NOx	2.8262	gm/bhp-hr
PM10	0.0895	gm/bhp-hr
SOx	0.0060	gm/bhp-hr
VOC	0.0895	gm/bhp-hr

#### CONDITIONS:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4225

SCC: 20100102

Location/UTM(Km):  
466E/3828N

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.

Iron Mountain  
12210 Innovation Way  
Victorville, CA 92394

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

1. This certified Tier 3 stationary compression-ignited internal combustion 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 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.

[40 CFR 60.4211(a)]

2. 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)]

3. 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), 40 CFR 60.4207(b) and 40 CFR 1090.305]

Note: Use of CARB certified ULSD fuel satisfies these requirements.

4. This engine shall be limited to use for emergency power, defined as in response to a fire or flood, or when commercially available power has been interrupted. In addition, this engine shall be operated no more than 22 hours per day and 50 hours per year for testing and maintenance.

[District Rule 1303 (hour limiting); 17 CCR 93115.6(a)(3)(A)(1)(c)]

5. The hour limits indicated in condition 4, above, do not apply to in-use emergency fire pump assemblies that are driven directly by stationary diesel-fueled CI engines and only operated the number of hours necessary to comply with the testing requirements of National Fire Protection Association (NFPA) 25 "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 2002 edition, which is incorporated herein by reference.

[17 CCR 93115.3(n)]

6. 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. Date(s) of each use and hours of operation;

b. Reason for use (regular maintenance & testing, NFPA maintenance & testing, emergency, etc.

c. Monthly and rolling 12 month period operation in terms of fuel consumption (in gallons) and/or total hours (both emergency and non-emergency use, classified as described in b. above);

d. Fuel sulfur concentration as required by condition #3 above (the owner/operator 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 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 the ATCM or NSPS, the more stringent requirements shall govern.

[District Rule 1302]

8. 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; 17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]