



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

E002367

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: DECEMBER 2025

OWNER OF OPERATOR (Co. #629)

Specialty Minerals, Inc
6565 Meridian Road
Lucerne Valley, CA 92356

EQUIPMENT LOCATION (Fac. #262)

Specialty Minerals, Inc
6565 Meridian Road
Lucerne Valley, CA 92356

Description:

DIESEL IC ENGINE, EMERGENCY GENERATOR (MAIN POWER STATION) consisting of: Yr of Mfg tbd

One Caterpillar, Diesel fired internal combustion engine Model No. 3512D1 and Serial No. 24Z01377, producing 1200 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 60.0 gal/hr. This equipment powers a Generator Model No. and Serial No. 24201377, rated at 1000 kW(e).

CONDITIONS:

1. This existing, 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 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 63.6605(a); 63.6605 (b)]

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); 40 CFR 63.6655(f)]

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:

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 1422

SCC: 20100102

Location/UTM(Km): 508E/3803N

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.

Specialty Minerals, Inc
P.O. Box 558
Lucerne Valley, CA 92356

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

- i. A minimum cetane index of 40; or,
 - ii. A maximum aromatic content of 35 volume percent.
- [17 CCR 93115.5(a); 40 CFR 63.6604]

4. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. Emergency stationary RICE located at area sources of HAP may be operated for up to 20 hours per calendar year in non-emergency situations. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance. The 20 hours of testing and maintenance hours are counted as part of the 20 hours of operation in non-emergency situations provided in 40 CFR 60.6640(f)(4). Except as provided in 40 CFR 60.6640 (f)(4)(ii), the 20 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

[District Rule 1320 (hour limiting); 17 CCR 93115.6(b)(1)]

5. The owner/operator of this equipment shall conduct inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours:

- (a) Change oil and oil filter every 500 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;
- (c) Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary; and

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

- (d) 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.

[40 CFR 63.6625 (h)]

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 of each use and hours of operation with documentation of how many hours are spent for emergency operation, including what classified the operation as emergency, and how many hours are spent for non-emergency operation, including what classified the engine as non-emergency, and;
- (b) Monthly and calendar year operation in total hours, both emergency and non-emergency use, classified as described in 'a'; and,
- (c) Documentation of certified fuel use, as required by condition 3 (may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
- (d) Monthly fuel use; and,
- (e) Maintenance performed on this equipment, inclusive of the management practice requirements of condition 7.

[17 CCR 93115.6(b)(3); 40 CFR 63.6675; 40 CFR 63.6640(f)]

7. If this emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements required by condition 8, or shutting down the engine would pose an unacceptable risk, the management practice can be delayed until the emergency is over, or the risk has been abated. The management practice should be performed as soon as practicable after the emergency/risk has ended. Sources must report any failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.

[40 CFR 63.6603(a)]

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, and 40 CFR 51, Subpart A]