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 E015377

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: JULY 2027

OWNER OF OPERATOR (Co.#3254)

5E SVM Operations, LLC
13200 Main Street
Trona, CA 93562

EQUIPMENT LOCATION (Fac.#79)

SVM - Argus Facility
82090 First Street
Trona, CA 93562

Description:
DIESEL IC ENGINE, EMERGENCY FIRE PUMP consisting of: A Certified Tier 3 diesel engine, USEPA family RJDXL13.5103, manufactured in TBD. Exhaust flow approximately 1513 cfm, at 848 degrees Fahrenheit through a TBD foot high by 6 inches diameter exhaust stack.

One John Deere / Clarke, Diesel fired internal combustion engine Model No. JU6H-UFADX8 and Serial No. SO204733P, After Cooled, Direct Injected, Electronic Control Module, Smoke Puff Limiter, producing 305 bhp with 6 cylinders at 1760 rpm while consuming a maximum of 10.4 gal/hr. This equipment powers a Clarke Fire Pump Model No. JD150 and Serial No. TBD, rated at 10.4 gal/hour.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.60	gm/bhp-hr
NOx	2.85	gm/bhp-hr
PM10	0.15	gm/bhp-hr
PM2.5	0.15	gm/bhp-hr
SOx	0.00	gm/bhp-hr
VOC	0.15	gm/bhp-hr

Fee Schedule: 7 (g) Rating: 1 device SIC: 1474 SCC: 20300101 Location/UTM(Km): 465E/3958N

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.

5E SVM Operations, LLC
P.O. Box 367
Trona, CA 93592-0367

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

CONDITIONS:

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 equipment 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 unit shall be operated no more than 50 hours per year for testing and maintenance. Time required for compliance source testing or emergencies will not be counted toward the 50 hour per year limit.
[17 CCR 93115.6(b)(3)]

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 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), Health & Safety Code 39607 & 44341-44342, 17 CCR 93400 et seq., and 40 CFR 51, Subpart A]