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 E015181

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.#3254)

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

EQUIPMENT LOCATION (Fac.#2)

SVM - Trona Plant
13200 Main Street
Trona, CA 93562

Description:
DIESEL IC ENGINE, EMERGENCY AIR COMPRESSOR BLACK START SUPPORT FOR BOILERS 25/26 consisting of: SVM# TBD, Certified Tier III, engine family 9CEXL015.AAE, year of manufacture 2009

One Cummins, Diesel fired internal combustion engine Model No. QSX15 and Serial No. 79390480, Charge Air Cooler, Direct Injected, Electronic Control Module, Turbo Charged, producing 560 bhp with cylinders at rpm while consuming a maximum of 25.8 gal/hr. This equipment powers a TBD Compressor Model No. TBD and Serial No. TBD, rated at TBD.

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

CONDITIONS:

Fee Schedule: 7 (g) | Rating: 1 device | SIC: 1474 | SCC: 20100102 | Location/UTM(Km): 466E/3957N

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

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 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.
[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 80.510(c), and 40 CFR 60.4207(b)]
Note: Use of CARB certified ULSD fuel satisfies these requirements.

4. This engine shall be limited to providing emergency power to the associated air compressor as required to support boilers 25 and 26 during black start operation only. Operation, including testing and maintenance and emergency use shall not exceed 200 hours total per year inclusive of the testing and maintenance hours allowed for by 17 CCR 93115.6 and specified in permit condition #5 (each consecutive 12 month period).
[District Rule 301 (E)(7)(g)]
[17 CCR 93115.6(a)(3)(A)(1)(c)]

5. This equipment shall be limited to use for emergency power, defined as in response to a fire 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.
[17 CCR 93115.6(a)(3) and 40 CFR 60.4211(f)]]

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 three (3) 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 (testing & maintenance, emergency, etc.);
(c) Monthly and consecutive 12 month period operation in terms of fuel consumption (in gallons) and total hours;
(d) Fuel sulfur concentration as required by condition #3 (the o/o 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 equipment may operate in response to an impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time. The engine may be operated no more than 30 minutes prior to the forecasted outage and must be shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[17 CCR 93115.6(a)(2)]

8. This equipment shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.
[17 CCR 93115.6(c)(1)(C)]

9. 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]

10. 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]