**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

B015607

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: SEPTEMBER 2027

## OWNER OF OPERATOR (Co.#3136)

RE Cobalt LLC
98 San Jacinto Blvd., Suite 750
Austin, CA 78701

## EQUIPMENT LOCATION (Fac.#4609)

Crimson Solar Project Phase 2 - Cobalt
23895 Power Line Road
Desert Center, CA 92239

**Description:**
DIESEL IC ENGINE, GENERATOR consisting of: A Certified Tier 4 Final diesel engine, USEPA family kCEXL04.5AAJ manufactured in 2019. Exhaust flow approximately 780 acfm, at 971 degrees Fahrenheit through a 8 feet high by 0.33 feet diameter exhaust stack. Equipment is located at an elevation of 483 feet above MSL.

One Cummins, Diesel fired internal combustion engine Model No. QSB5-G11 and Serial No. 74500337, After Cooled, Ammonia Oxidation Catalyst, Diesel Oxidation Catalyst, Electronic Control Module, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Selective Catalytic Reduction, Selective Catalytic Reduction, Turbo Charged, producing 153 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 8 gal/hr. This equipment powers a Cummins Generator Model No. C70D2RE and Serial No. PERP 184216, rated at 70 kW.

## EMISSIONS RATES

| Emission Type | Est. Max Load | Unit |
|---|---|---|
| CO | 0.00 | gm/bhp-hr |
| NOx | 0.157 | gm/bhp-hr |
| PM10 | 0.0075 | gm/bhp-hr |
| PM2.5 | 0.0074 | gm/bhp-hr |
| SOx | 0.005 | gm/bhp-hr |
| VOC | 0.0075 | gm/bhp-hr |

Fee Schedule: 1 (b) Rating: 153 bhp SIC: 4911 SCC: 20100102 Location/UTM(Km): 704E/3717N

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.

RE Cobalt LLC
98 San Jacinto Blvd., Suite 750
Austin, TX 78701

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

## CONDITIONS:

1. This certified Tier 4 Final 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.
[District Rule 204; 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.
[District Rule 204; 17 CCR 93115.10(d)(1)]

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. 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. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
b. Records of all inspection, maintenance and/or repair actions performed on the engine or associated air pollution control equipment, including date and description;
c. Fuel sulfur concentration as required by condition #3 (you may use the supplier's certification of sulfur content if it is maintained as part of this log); and,
d. Calendar year operating hours as determined by the installed hour meter (to assist in CEI calculations).
[District Rule 1160(D)(2)(b); 17 CCR 93115.10(e)]

5. This engine's operation is not limited in its use as a stationary prime generator. Based on emission rates, this engine can be operated up to 24 hours/day, 7 days/week, 52 weeks/year as it meets the requirements of 40 CFR 60 Subpart IIII and 17 CRR 93115.7(a) Table 4, as well as the daily, monthly, and yearly emissions as defined in MDAQMD rules for equipment outside of the FONA.
[17 CCR 93115.7(a); District Rule 1303; District Rule 1320; District Rule 1520; District Rule 1600]

6. 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; Title 17 CCR 93115, the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines; 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS)]

7. 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]