



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

B013413

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: JUNE 2024

OWNER OF OPERATOR (Co.#2855)

West Coast Aggregate Supply, Inc.
119278 North Cadiz Road
Twentynine Palms, CA 92277

EQUIPMENT LOCATION (Fac.#3790)

West Coast Aggregate Supply, Inc.
119278 North Cadiz Road
Twentynine Palms, CA 92277

Description:

DIESEL IC ENGINE, GENERATOR #2 consisting of: Year of Manufacture 2017, Tier 4 Final, Engine Family HVPXL16.1CDC, CARB EO UR-014-0167. This facility will also utilize two <50 bhp diesel gensets to provide power to two separate living quarters. These <50 bhp gensets will be used independently (not aggregated) to power each living quarters (trailer) as needed.

One Volvo Penta, Diesel fired internal combustion engine Model No. TWD1672-73GE and Serial No. 2016111679, Direct Injected, Turbo Charged, Selective Catalytic Reduction, Smoke Puff Limiter, Electronic Control Module, Two-Stroke Lean Burn, Selective Catalytic Reduction, Charge Air Cooler, producing 838 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 42.3 gal/hr. This equipment powers a Volvo Penta Generator Model No. TBD and Serial No. TBD, rated at 628kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.6	gm/bhp-hr
NOx	0.5	gm/bhp-hr
PM10	0.02	gm/bhp-hr
PM2.5	0.02	gm/bhp-hr
SOx	0.005	gm/bhp-hr
VOC	0.14	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (c)

Rating: 838 bhp

SIC: 1479

SCC: 20100102

Location/UTM(Km):
679E/3783N

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.

West Coast Aggregate Supply, Inc.
P.O. Box 790
Thermal, CA 92274-0790

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

1. This certified Tier 4 Final stationary compression-ignited internal combustion engine and its associated emission control systems 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); District Rule 1160]

2. This engine shall not be operated unless all of the following engine systems are properly functioning:?

- a. Electronic Direct Injection?
- b. Turbocharger
- c. Charge Air Cooler?
- d. Engine Control Module?
- e. Smoke Puff Limiter
- f. Selective Catalytic Reduction-Urea?

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.

[District Rule 1302; CARB EO UR-014-0161]

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: ?
 - ? 1. A minimum cetane index of 40; or, ?
 - ? 2. A maximum aromatic content of 35 volume percent.

[17 CCR 93115.5(a), 40 CFR 80.510, and 40 CFR 60.4207(b)]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

[17 CCR 93115.10(d)(1) and 40 CFR 60.4209(a)]

5. This equipment shall not operate for more than 16 hours per day and not more than 5,824 hours per year (rolling 12 month sum).

[District Rule 1302]

6. Owner/operator shall conduct inspection, whichever is more frequent of, at least once every calendar quarter; or, after every 2,000 hours of engine operation.??An inspection includes any testing, maintenance, and/or other procedures that ensure the Internal Combustion Engine is operated in strict accordance with the manufacturer's specifications and in continual compliance with the provisions of this rule.?

[District Rule 1160]

7. 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 fuel use and monthly hours of operation;
- b. The date and a summary of each engine inspection including any testing and maintenance performed.?
- c. The date and amount of DEF added to the DEF tank.
- d. Fuel sulfur concentration (may use the fuel supplier's certification of sulfur content if it is maintained as part of this log).

[17 CCR 93115, District Rules 1160, 1302 and 1320]

8. This engine shall comply with the emission limits given in the above description and in accordance with CARB EO UR-014-0167.??This engine does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.?

[District Rule 1302]

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), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]