



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

B014908

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 2026

OWNER OF OPERATOR (Co.#1133)

GTP Towers I, LLC c/o American Tower Corporation
10 Presidential Way
Woburn, MA 01801

EQUIPMENT LOCATION (Fac.#3358)

American Tower - Brown Butte
91919 Brown Buttes Rd.
Ludlow, CA 92338

Description:

DIESEL IC ENGINE, STATIONARY GENERATOR consisting of: A certified Tier 4 Final diesel engine. PLEASE NOTE: This permit has been written to encompass a generic USEPA certified Nonroad Compression-Ignition Tier 4 Final engine rated between 175 - 299 bhp, allowing this facility to operate any one of a variety of PERP registered engines that comply with the limitations imposed via these permit conditions. Equipment elevation is 3669 feet above sea level.

One TBD, Diesel fired internal combustion engine Model No. TBD and Serial No. TBD, Direct Injected, Turbo Charged, Selective Catalytic Reduction, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Electronic Control Module, Compression-Ignited, Selective Catalytic Reduction, Ammonia Oxidation Catalyst, producing 0 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 17 gal/hr. This equipment powers a TBD Generator Model No. TBD and Serial No. TBD, rated at TBD.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.6	gm/bhp-hr
NOx	0.29	gm/bhp-hr
PM10	0.01	gm/bhp-hr
PM2.5	0.01	gm/bhp-hr
SOx	0.006	gm/bhp-hr
VOC	0.14	gm/bhp-hr

Fee Schedule: 1 (c)

Rating: 300 bhp

SIC: 4813

SCC: 20100102

Location/UTM(Km):
623E/3843N

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.

GTP Towers I, LLC c/o American Tower Corporation
Attn: HazMat Compliance Department

Woburn, MA 01801

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

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. This engine shall not be operated unless all manufacturer-installed emission control systems are properly functioning. Furthermore, no changes shall be made to any of the emissions control systems unless done so by a factory certified technician.
[District Rule 1302]

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(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.
[Title 17 CCR 93115.10(d)]

5. 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. Record make, model, serial number, and PERP registration for the generator being used;
- b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- c. Records of all inspection, maintenance and/or repair actions performed on the engine or associated air pollution control equipment, including date and description;
- d. Record of notification to MDAQMD for current generator on site;
- e. 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,
- f. 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)]

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. This engine shall not be used within 1000 ft (300 m) of any K-12 school, residence, hospital, or other sensitive receptor location. Sensitive receptor locations include, but are not limited to, hospitals, schools, and day care centers, and such other locations as the District board or California Air Resources Board may determine.

[District Rule 1320 and H&S Code 42705.5(a)(5)]

8. The generator in use must have a valid Portable Equipment Registration Program (PERP) registration. The PERP registration for the generator in use must be available to confirm model, serial numbers, and USEPA family and tier. The PERP registration placard must be visible on the generator to confirm registration numbers.

[District Rule 204]

9. 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]

10. No more than one engine may be operated under this permit at any one time. The operation of any additional/multiple PERP engines or rentals will require a separate permit from MDAQMD and must be acquired prior to operating. [District Rule 204]

11. Any engine operated under this permit must be rated between 175-299 bhp and must be USEPA/CARB certified to meet the Tier 4 Final (or higher) emission standards with a valid PERP registration. The owner/operator must comply with the emission standards over the entire life of the engine.

Maximum Allowable Emission Standards:

- a. NMHC: 0.19 g/kW-hr (0.14 g/bhp-hr);
- b. NOx: 0.4 g/kW-hr (0.29 g/bhp-hr);
- c. CO: 3.5 g/kW-hr (2.6 g/bhp-hr); and
- d. PM: 0.02 g/kW-hr (0.01 g/bhp-hr).

Compliance will be demonstrated with a PERP registration indicating USEPA family, model number, serial number, Tier 4 Final certification, and bhp of 175 to 299.

Certification documentation for the emission standards is the PERP registration and must be retained with the engine and shall be provided to District, State and Federal personnel upon request. [District Rule 1303, Title 17 CCR 93115, and 40 CFR 60, Subpart IIII]

12. The owner/operator shall notify the District within twenty-four (24) hours of operation of any new engine under this permit. This is only necessary for the initial engine and when engines have been exchanged under this permit. Notification must be sent electronically to reporting@mdaqmd.ca.gov. The notification must include:

- a. This MDAQMD permit number;
- b. The PERP registration number and PERP registration documentation;
- c. The USEPA engine family name and brake horsepower for the engine;
- d. Start and end dates of the use of the engine; and,
- e. The contact information of the owner/operator of the equipment.

[District Rule 204]

13. 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]