



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

B015179

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:

LPG / PROPANE IC ENGINE, GENERATOR (BROWN BUTTE #4) consisting of: A LPG-fired internal combustion engine, USEPA family PPSIB8.10NGP, manufactured in 2024. Exhaust flow approximately 1129 acfm, at 1382 degrees Fahrenheit through a TBD foot high by TBD inch diameter exhaust stack. Equipment is located at an elevation of 3654 feet above MSL.

One Power Solutions International, Inc., LPG fired internal combustion engine Model No. PS18.1LT and Serial No. EEPOG305028, Direct Injected, Turbo Charged, Three-Way Catalyst (also NSCR), Four-Stroke Lean Burn, Spark-Ignited, producing 148 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 12.71 gal/hr. This equipment powers a Blue Star Power Systems, Inc. Generator Model No. NG150-01P and Serial No. 125635-1-1, rated at 95 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.0	gm/bhp-hr
NOx	1.0	gm/bhp-hr
PM10	0.1947	gm/bhp-hr
PM2.5	0.1928	gm/bhp-hr
SOx	0.0136	gm/bhp-hr
VOC	0.70	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (b)

Rating: 148 bhp

SIC: 4813

SCC: 20301001

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

1. This stationary, spark-ignited, internal combustion engine and its associated control device (Three-Way Catalyst) and air/fuel ratio controller 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 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, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, subpart 60.4243; District Rule 1302]

2. This engine shall comply with all applicable rules and regulations including 40 CFR 60, Subpart JJJJ - New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines.
[District Rule 1302]

3. This unit shall only be fired on liquid propane gas (LPG) fuel.
[District Rule 431 and 1302]

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[District Rule 1302]

5. An Air-to-Fuel Ratio Controller shall be used in conjunction with the control device and shall be maintained and operated appropriately to ensure proper operation of the engine and control device to minimize emissions at all times.
[40 CFR 60.4243(g)]

6. The owner/operator shall maintain an operations and inspection 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 following information:

- Monthly fuel usage in gallons;
- Monthly and rolling twelve month operation in terms of total hours (from the engine hour timer);
- Engine and emission control maintenance plan as required by 40 CFR 60 Subpart JJJJ;
- Records of all inspection, maintenance and/or repair actions performed on the engine or associated air pollution control equipment, including date and description. Also, records of any compliance testing (including test protocols, notifications, and reports of test results).

[40 CFR 60.4243(b)(2)(i) and 60.4245(a)(2)]

7. The owner/operator must comply with the following emission standards, as referenced below, over the entire life of the engine. Compliance must be determined in accordance with the performance test methods and procedures specified in 40 CFR 1048.101 and Table 1 to Subpart JJJJ, and by installing and operating an engine with USEPA Family Name PPSIB8.10NGP.

Maximum Allowed Emission Standards:

- NO_x: 1.0 g/bhp-hr;
- CO: 2.0 g/bhp-hr, and
- VOC 0.7 g/bhp-hr.

Note: Emission standards are shown in USEPA Certificate of Conformity PPSIB8.10NGP-017.
[District Rule 1302; 40 CFR 60 Subpart JJJJ; 40 CFR Part 1048.101]

8. In the event that the Three-Way Catalytic Converter is replaced, the new (replacement) Catalytic Converter must be of the same Manufacturer and model designation and it must be installed by Factory Certified personnel to avoid follow-on source testing. If the Manufacturer or the Model designation of the new (replacement) catalytic converter is not identical to the original catalytic converter or if the unit is not installed by Factory Certified personnel, then the engine shall be source tested in accordance with the procedures outlined in 40 CFR 60.4244 within 90 days after the catalytic converter replacement. The source test results must verify that the engine meets the emission limits found in Condition 7.

The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within sixty (60) days of completion of the

test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov
[40 CFR 60.4243, 40 CFR 60.4244, District Rules 1303 and 1320]

9. This engine shall not be operated concurrently with the engine covered under District Permit B011550. The operations logs for this unit required by Condition 6 must clearly show the startup date and times to demonstrate compliance with this requirement. Engine permitted under B011550 must be removed from service prior to the startup operation of the new unit permitted under B015179.
[District Rules 1160, 1302 and 1320]

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]