



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

PERMIT TO OPERATE

B011531

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

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 #3) consisting of: A LPG-fired internal combustion engine, USEPA family APWRB8.10TNP, manufactured in 2009. 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 PSI International, Propane fired internal combustion engine Model No. D081TIC and Serial No. EEP0G804868, Turbo Charged, Three-Way Catalyst (also NSCR), Air-To-Fuel Ratio Controller, Spark-Ignited, producing 237 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 23.5 gal/hr. This equipment powers a Baldor Generator Model No. IGLC155-2N and Serial No. P1009300001, rated at 115 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	2.0	gm/bhp-hr
NOx	1.92	gm/bhp-hr
PM10	0.0095	gm/bhp-hr
SOx	0.0466	gm/bhp-hr
VOC	0.1	gm/bhp-hr

CONDITIONS:

Fee Schedule: 1 (c)

Rating: 237 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 certified, stationary, spark-ignited, internal combustion engine and its associated 3-way catalytic converter and air/fuel ratio controller shall be installed, operated and maintained in strict accord 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 be fired on Commercial Grade Liquefied Petroleum Gas (LPG)/Propane fuel only.
[40 CFR 60.4243]
3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[40 CFR 60.4237]
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 two (2) 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:
 - a. Calendar year operation in terms of fuel consumption (in standard cubic feet or gallons) or total hours;
 - b. Maintenance and repair actions conducted on the engine; and
 - c. Maintenance and repair actions conducted on the Air-to-Fuel Ratio Controller.[40 CFR 60.4243, 40 CFR 60.4245]
5. The Air-to-Fuel Ratio Controller shall be used in conjunction with the operation of the three-way catalyst, 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]
6. This unit shall not be used to provide power during a voluntarily 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 any electrical power supplier.
[District Rule 1302]
7. This engine is subject to 40 CFR 60, Subpart JJJJ - New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines.
[40 CFR 60, Subpart JJJJ]
8. 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]