



**MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**

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

**INACTIVE**

B012349

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: SEPTEMBER 2024**

**OWNER OF OPERATOR (Co.#1133)**

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

**EQUIPMENT LOCATION (Fac.#3591)**

American Tower - Calico Peak  
Doran Scenic Rd./Calico Rd.  
Calico, CA 92365

**Description:**

DIESEL IC ENGINE, GENERATOR #1 (SITE #370511: 34.99561, -116.83852) consisting of: Year of Manufacturer 2013, Tier 4i, USEPA Family Name DPKXL04.4NJ1 equipped with a Rypos, Inc. Hybrid Diesel Particulate Filter, Model No. RH306-M, Serial No. R1430P. Engine is equipped with a Racor Closed Crankcase Ventilation, model #CCV4500.

One Perkins/Caterpillar, Diesel fired internal combustion engine Model No. C4-4 and Serial No. E5A02023, Turbo Charged, Diesel Particulate Filter, Diesel Oxidation Catalyst, producing 118 bhp with 4 cylinders at 1800 rpm while consuming a maximum of 6 gal/hr. This equipment powers a Caterpillar Generator Model No. D80-6 and Serial No. CAT00C44CLC500132, rated at 72 kW(e).

**EMISSIONS RATES**

Emission Type	Est. Max Load	Unit
CO	0.15	gm/bhp-hr
NOx	2.52	gm/bhp-hr
PM10	0.01	gm/bhp-hr
SOx	0.0047	gm/bhp-hr
TOG	0.133	gm/bhp-hr

**CONDITIONS:**

1. This certified, stationary, compression-ignited, internal combustion engine and control devices shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer 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

Fee Schedule: 1 (b)

Rating: 118 bhp

SIC: 4813

SCC: 20100102

Location/UTM(Km):  
498E/3862N

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

application for this permit.  
[40 CFR 60.4211(a); District Rule 1302]

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

- a. Diesel Oxidation Catalyst
- b. Diesel Particulate Filter

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.  
[40 CFR 60.4211, 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, equal to 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) and 40 CFR 60.4207 and CARB Executive Order DE-07-001-05]

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

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. The owner/operator shall inspect the diesel particulate filter at least once every 1,000 hours of operation and clean if needed. Each inspection and cleaning of the diesel particulate filter must be documented in the operations log pursuant to condition 8.  
[CARB Executive Order DE-07-001-05]

6. The diesel particulate filter must be installed with a backpressure monitor that notifies the owner/operator when the high backpressure limit of the engine is approached.  
[17 CCR 93115.10(d)(2) and 40 CFR 60.4209(b)]

7. The owner/operator shall conduct inspections, whichever is the more frequent of: (1) at least once every calendar quarter; or, (2) after every 2,000 hours of engine operation. An inspection includes any testing, maintenance, and/or other procedures that ensure this engine is operated in strict accordance with the manufacturer's specifications and in continual compliance with the provisions of this rule.  
[District Rule 1160]

8. The owner/operator shall maintain a operations log for this unit, current and on-site (or at a central location), for a minimum of three (3) 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. Calendar year operation in terms of total hours [17 CCR 93115.10(a)(3)(D)];
- b. Fuel sulfur concentration (may use the fuel supplier's certification of sulfur content if it is maintained as part of this log) [17 CCR 93115.10(a)(3)(C)];
- c. The date and hour meter reading of each diesel particulate filter inspection, including the results of the inspection (cleaning required, repairs, etc.) [CARB Executive Order DE-07-001-05]; and,
- d. Records of any corrective action taken after the backpressure monitor has notified the owner/operator that the high backpressure limit of the engine is approached [40 CFR 60.4214(c)].

9. The Particulate Matter (PM), oxides of nitrogen (NO<sub>x</sub>), non-methane hydrocarbons (NMHC), and carbon monoxide (CO) emissions from this engine must comply with the Emission Standards for New Stationary Prime Diesel-Fueled CI Engines pursuant to 17 CCR 93115.7(a).

10. This engine demonstrates compliance with the emission standards of conditions 9 through USEPA's Certificate of Conformity DPKXL04.4NJ1-005 and with the use of the add on control device (diesel particulate filter) certified by CARB under Executive Order DE-07-001-05, as supplied with the application.

[17 CCR 93115.13(a)]

11. This equipment is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115) and 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (MACT/NSPS). In the event of a conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.

[District Rule 1302]

12. A facility wide Comprehensive Emission Inventory Report (CEIR) 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), Health & Safety Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]