MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park AvenueVictorville,CA92392-2310
760.245.1661 -- 800.635.4617 -- FAX760.245.2022

PERMIT TO OPERATE

B010789

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:SEPTEMBER 2025

OWNER OF OPERATOR (Co.#133)

NASA/Goldstone
93 Goldstone Rd.
Fort Irwin,CA92310

EQUIPMENT LOCATION (Fac.#611)

NASA/Goldstone Deep Space Communications Complex
Goldstone Lake
Fort Irwin,CA92311

Description:
PROPANE IC ENGINE, PORTABLE GENERATOR consisting of:Year of Manufacture 2009, USEPA Family Name BPSIB5.702ED, stack height 2', stack diameter 2", exhaust flow rate of 735 cubic feet per minute at 1250 degrees Fahrenheit.

OneGeneral Motors,Propane fired internal combustion engine Model No.8.1 and Serial No.21400S09,Turbo Charged,Four-Stroke Rich Burn, producing162 bhp with8 cylinders at1800 rpm while consuming a maximum of7.0gal/hr. This equipment powers aKohlerGenerator Model No.100 REZG and Serial No.2270879, rated at100 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.0895	gm/bhp-hr
NOx	0.246	gm/bhp-hr
PM10	0.0149	gm/bhp-hr
SOx	0.002	gm/bhp-hr
VOC	0.0224	gm/bhp-hr

CONDITIONS:

1.This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for

Fee Schedule:1 (c) Rating:162bhp SIC:9661 SCC:20301001 Location/UTM(Km):517E/3906N

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.

NASA/Goldstone
93 Goldstone Rd.
Fort Irwin,CA92310

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

UNOFFICIAL

this permit.
[District Rule 1302(C)(2)(a)]

2.This engine cannot remain at a location for more than twelve (12) consecutive months. A location is any single site at a building, structure, facility, or installation. Any engine (or engines) that replaces an engine at a location and that is intended to perform the same or similar function as the engine replaced will be included in calculating the consecutive time period.
[40 CFR 1068.30 "nonroad engine" (2)(iii)]

If the owner/operator intends to utilize this engine as a stationary engine, a permit modification must be submitted to the District prior to stationary operation, and the engine is subject to all stationary engine regulations.
[District Rule 1302(C)(2)(a)]

3.This unit shall only be fired on Propane or LPG.
[District Rule 431]

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(C)(2)(a)]

5.Facility-wide (includes facility nos. 611 and 4402) emissions shall not exceed 80 tons per year of NOx, 24 tons per year of VOC, and 18 tons per year of PM10. Facility-wide emissions shall be calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. For emergency engines, only emissions generated during testing and maintenance shall apply toward the facility-wide emission limits. These records shall be maintained as current for a minimum of five (5) years, and made available upon District, State and/or Federal request.
[District Rule 221(B)]

6.The owner/operator shall maintain an operations log for this equipment, 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/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:
a. Date and location of each use; and,
b. Duration of each use (in hours) and the type of use (regular prime use, emergency, testing & maintenance, etc.); and,
c. Calendar year operation in terms of fuel consumption (in gallons or equivalent) and total hours.
[District Rule 1203 (D)(1)(d)(ii)]

7.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]