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

E014451

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: APRIL 2027

OWNER OF OPERATOR (Co.#69)

Southern California Edison
P.O. Box 5085
Rosemead, CA 91770

EQUIPMENT LOCATION (Fac.#4200)

SCE - Ludlow Series Capacitor
59600 Cady Mountain Road
Ludlow, CA 92338

Description:
LPG IC ENGINE, EMERGENCY GENERATOR consisting of: USEPA engine family LCEXB08.9ALB, manufactured in 2021. The exhaust flow is 1509 ACFM at 1236 degrees Fahrenheit. Exhaust stack is 6 feet above ground level with an exhaust stack diameter 0.33 feet. Equipment is at an elevation of 2200 feet above sea level.

One Cummins, LPG fired internal combustion engine Model No. QSJ8.9G-G2 and Serial No. 74761887, After Cooled, Air-To-Fuel Ratio Controller, Turbo Charged, producing 240 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 783 scf/hr. This equipment powers a Cummins Generator Model No. C150N6 and Serial No. C210893217, rated at 150 kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.59	lbs/MMBtu
NOx	0.46	lbs/MMBtu
PM10	0.06	lbs/MMBtu
SOx	0.004	lbs/MMBtu
VOC	0.11	lbs/MMBtu

CONDITIONS:

Fee Schedule: 7 (g) | Rating: 240 device | SIC: 4911 | SCC: 20301001 | Location/UTM(Km): 559E/3848N

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.

Southern California Edison
P.O. Box 5085

Rosemead, CA 91770

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

1. This stationary, spark-ignited, internal combustion engine, certified in accordance with 40 CFR Part 1048, and its associated control devices shall be installed, operated and maintained according to the manufacturer's emission-related written instructions. Further, the owner/operator shall change only those emission-related settings that are permitted by the manufacturer. 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 60.4231(c), 60.4233(c), 60.4234, and 60.4243(a)(2)(ii)]

2. 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)]

3. 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(g)]

4. This unit shall be fired on commercial grade Liquefied Petroleum Gas (LPG) fuel only.
[District Rule 1302(C)(2)(a)]

5. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. This unit shall be operated for no more than 100 hours per year for testing and maintenance, excluding compliance source testing.
[District Rule 1302(C)(2)(a); 40 CFR 63.6640(f)]

6. The owner/operator shall maintain an 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. Date of each use and duration of each use (in hours);
b. Reason for use (testing & maintenance, emergency, required emission testing);
c. Calendar year operation in terms of fuel consumption (in standard cubic feet or gallons) or total hours; and,
d. Records of all inspections, maintenance and repair actions.
[District Rule 1302(C)(2)(a); 40 CFR 63.6640(f)]

7. Engine may operate in response to notification of impending involuntary rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect.
[District Rule 1302(C)(2)(a)]

8. This unit shall not be used to provide power during a voluntary 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 the electrical power supplier.
[District Rule 1302(C)(2)(a); 40 CFR 63.6640(f)]

9. 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;17 CCR 93400 et seq.; and 40 CFR 51, Subpart A]