



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

E011468

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: OCTOBER 2025

OWNER OF OPERATOR (Co. #453)

Victor Valley Wastewater Reclamation Authority
20111 Shay Road
Victorville, CA 92394

EQUIPMENT LOCATION (Fac. #1124)

VVWRA - 20111 Shay
20111 Shay Road
Victorville, CA 92394

Description:

NATURAL GAS IC ENGINE, EMERGENCY GENERATOR consisting of: Model Year 2011, stack height 14', stack diameter 8", exhaust flow rate of 6123 cubic feet per minute at 1224 degrees Fahrenheit. Unit is located at elevation of 2609 ft. above MSL.

One Cummins, NG fired internal combustion engine Model No. GTA50 CC and Serial No. 25364931, Three-Way Catalyst (also NSCR), Air-To-Fuel Ratio Controller, Spark-Ignited, producing 1098 bhp with 16 cylinders at 1800 rpm while consuming a maximum of 10747 scf/hr. This equipment powers a Cummins Generator Model No. 786GFLC and Serial No. LX11J410432, rated at 750 kW(e).

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	4.0	gm/bhp-hr
NOx	1.5	gm/bhp-hr
PM10	0.22	gm/bhp-hr
PM2.5	0.22	gm/bhp-hr
SOx	0.02	gm/bhp-hr
TOG	1.0	gm/bhp-hr

CONDITIONS:

1. This certified, stationary, spark-ignited, internal combustion engine and control device 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

Fee Schedule: 7 (g) Rating: 1086 device SIC: 4952 SCC: 20100202 Location/UTM(Km): 467E/3831N

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.

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

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]

2.This unit shall be fired on natural gas fuel only.

[Rules 1303 and 1320]

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, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines]

4.This unit shall be operated no more than 100 hours per year for testing and maintenance.

[40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines]

5.The o/o 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 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); and,

c. Calendar year operation in terms of fuel consumption (in standard cubic feet) and total hours.

[40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, Rule 1303]

6.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, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines]

7.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]

8.This 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.

9.This facility is subject to the requirements of the Standards of Performance for New Stationary Sources (NSPS) for Stationary Spark Ignition Internal Combustion Engines, Title 40 CFR 60, Subpart JJJJ (4Js). In the event of conflict among these conditions, District Rule and Regulations, and this NSPS, the most stringent requirements shall govern.

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]