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

# PERMIT TO OPERATE

E009657

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:FEBRUARY 2025

## OWNER OF OPERATOR (Co.#100)

Metropolitan Water District of So Calif
158000 MWD Road
Parker Dam,CA92267

## EQUIPMENT LOCATION (Fac.#571)

MWD - Gene Pumping Plant
158000 MWD Road
Parker Dam,CA92267

**Description:**
DIESEL IC ENGINE EMERGENCY GENERATOR, AIRPORT consisting of:Year of Mfg. Unknown; USEPA Tier Unknown; assumed to be Tier 0; Engine Family Name Unknown, CARB EO Unknown, Certified Diesel PM emission rate Unknown

OneHino,Diesel fired internal combustion engine Model No.4.0DT and Serial No.A39204,Direct Injected,Turbo Charged, producing76 bhp with4 cylinders at1800 rpm while consuming a maximum of4.0gal/hr. This equipment powers aGeneracGenerator Model No.99A00381-S and Serial No.2049955, rated at50 KW.

## CONDITIONS:

1.This equipment shall be installed, operated and maintained in strict accordance 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 63.6640(a) and Table 6; Rule 204]

1.This equipment shall be installed, operated and maintained in strict accordance 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 63.6640(a) and Table 6; Rule 204]

2.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, on a weight per weight basis; and,

Fee Schedule:7 (g) Rating:1device SIC:4941 SCC:20100102 Location/UTM(Km):761E/3798N

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.

Metropolitan Water District of So Calif
P O Box 54153

Los Angeles,CA90054

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

b. A cetane index or aromatic content, as follows: 1. A minimum cetane index of 40; or, 2. A maximum aromatic content of 35 volume percent.
[17 CCR 93115.5(a) and 40 CFR 80.510(b)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

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a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,
b. A cetane index or aromatic content, as follows: 1. A minimum cetane index of 40; or, 2. A maximum aromatic content of 35 volume percent.
[17 CCR 93115.5(a) and 40 CFR 80.510(b)]
Note: Use of CARB certified ULSD fuel satisfies the above requirements.

3.A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Title 17 CCR 93115.10(d); 40 CFR 63.6625(f)]

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4.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. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing and electric reliability and high voltage predictive maintenance testing as required by the North American Electric Reliability Corporation (NERC) standards. Time required for source testing, NERC testing and predictive testing will not be counted toward the 20 hour per year limit.
[17 CCR 93115.6(b)]

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5.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. [17 CCR 93115.6(c)(2); Rule 204]

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[17 CCR 93115.6(c)(2); Rule 204]

6.This engine may operate in response to notification of impending 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. [17 CCR 93115.6(b)]

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[17 CCR 93115.6(b)]

7.The owner/operator shall minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes. [40 CFR 63.6625(h)]

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[40 CFR 63.6625(h)]

8.The owner/operator (o/o) shall maintain a operations log for this unit current and on-site, either at the engine location or at a on-site location, for a minimum of two (2) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, 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 - per the non-resettable timer);
b. Reason for use (testing & maintenance, emergency, required emission testing - test type specified, see condition 4);
c. Calendar year operation in terms of fuel consumption (in gallons) and total hours per the non-resettable timer; and,
d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [17 CCR 93115.10(f)]

8.The owner/operator (o/o) shall maintain a operations log for this unit current and on-site, either at the engine location or at a on-site location, for a minimum of two (2) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, 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 - per the non-resettable timer);
b. Reason for use (testing & maintenance, emergency, required emission testing - test type specified, see condition 4);
c. Calendar year operation in terms of fuel consumption (in gallons) and total hours per the non-resettable timer; and,
d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).
[17 CCR 93115.10(f)]

9.The owner/operator shall conduct inspections in accordance with the following schedule. All inspections must occur at least annually regardless of operating hours.
a. Change oil and filter every 500 hours of operation or annually, whichever comes first, or use an oil change analysis program to extend oil change frequencies per the requirements in 40 CFR 63.6625(i);
b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
The District must be notified within 5 working days of any exceedance of these maintenance intervals, noting the duration, cause, and corrective actions taken. [40 CFR 63.6630(a), Table 2d, 40 CFR 63.6640(b), and 40 CFR 63.6650(d)]

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b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.
The District must be notified within 5 working days of any exceedance of these maintenance intervals, noting the duration, cause, and corrective actions taken.
[40 CFR 63.6630(a), Table 2d, 40 CFR 63.6640(b), and 40 CFR 63.6650(d)]

10.The facility must submit accurate emissions inventory data to the District, in a format approved by the District, upon District request. [District Rule 204]

10.The emissions from this facility shall be less than the following limits:
a. 8 tons per year of any single HAP or 20 tons per year of any combination of HAPs on a 12 month calendar year basis.
b. 12 tons of PM10 per year calculated on a rolling twelve month summary basis.
c. 20 tons of NOx per year calculated on a rolling twelve month summary basis.
d. 20 tons of VOC per year calculated on a rolling twelve month summary basis.
e. 80 tons of CO per year calculated on a rolling twelve month summary basis.
f. 20 tons of SOx per year calculated on a rolling twelve month summary basis.
Compliance with this limit shall be verified with an emissions inventory as requested by the District.
[District Rule 1303]

11.This engine is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines Title 17 CCR 93115 and 40 CFR 63 Subpart ZZZZ (RICE NESHAPs). [Rule 204]

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[Rule 204]

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]