



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

C013237

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JULY 2019

OWNER OF OPERATOR (Co.#2222)

Palmdale Energy, LLC
801 2nd Avenue
Seattle, WA 98104

EQUIPMENT LOCATION (Fac.#3582)

Palmdale Energy LLC
950 East Avenue M
Palmdale, CA 93550

Description:

SELECTIVE CATALYTIC REDUCTION #2 consisting of: Manufacturer TBD

CONDITIONS:

1. Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.

[Rule 204]

2. This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles.

[Rule 204]

3. This equipment shall be operated concurrently with the combustion turbine generator with valid District permit B013231.

[Rule 1303]

4. Ammonia shall be injected whenever the selective catalytic reduction system has reached a minimum 400 degrees Fahrenheit except for periods of equipment malfunction.

[Rule 1303]

5. Except during periods of startup and shutdown, ammonia slip shall not exceed 5 ppmvd averaged over one hour at 15 percent O₂, dry. The operator shall calculate and continuously record the NH₃ slip concentration using the following:

Fee Schedule: B (N/A)

Rating: 1 device

SIC: 491

SCC: 20100201

Location/UTM(Km):
425E/3830N

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.

Palmdale Energy, LLC
801 2nd Avenue

Seattle, WA 98104

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

$NH_3(ppmv) = [a - b \cdot (c \cdot 1.2) / 1E6] \cdot 1E6 / b$, where

a= NH₃ injection rate (lb/hr)/17(1b/lbmol),

b=dry exhaust flow rate (scf/hr)/(385.5 scf/lbmol),

c=change in measured NO_x across the SCR, ppmvd at 15 percent O₂.

The operator shall install a NO_x analyzer to measure the SCR inlet NO_x ppm accurate to within +/- 5 percent calibrated at least once every 12 months.

The o/o shall use the method described above or another alternative method approved by the APCO.

The ammonia slip calculation procedures described above shall not be used for compliance determination or emission information determination without corroborative data using an approved reference method for the determination of ammonia.

[Rule 1303]

6. The owner/operator shall record and maintain for this equipment the following on site for a minimum of five (5) years and shall be provided to District personnel upon request.

a. Ammonia injection, in pounds per hour

b. Temperature, in degrees Fahrenheit at the inlet to the SCR.

[Rule 1303]