



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

**INACTIVE**

**B001078**

Inactive type Permit has no description information.

**EXPIRES LAST DAY OF: APRIL 2015**

### **OWNER OF OPERATOR (Co.#2830)**

Trogon Development, LLC  
37000 Santa Fe Street  
Daggett, CA 92327

### **EQUIPMENT LOCATION (Fac.#1880)**

Coolwater Generating Station  
37000 Santa Fe Street  
Daggett, CA 92327

#### **Description:**

STEAM BOILER - UNIT NO. 2 consisting of: An 81 MW(e) net, steam generating unit commissioned for service in 1962, with the following equipment and ratings: Combustion Engineering Boiler, model 19769, Type R, natural gas and/or oil fired. Natural gas firing is by 24 Combustion Engineering Burners, model D-465-291, rated at 856.8 Mbtu/h. Oil firing is by 12 Peabody oil burners (Job No. 3461) rated at 789.26 MMbtu/h (HHV). Control equipment includes ducting from the stack to the FD fan, which blows air into the firebox of the boiler. The necessary dampers, expansion joints and seals are included.

#### **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.

2. This boiler shall not exceed the following emission limits, except the limit for NO<sub>x</sub> during periods of startup and shutdown, verified by CEMS and/or compliance tests and records:

a. Hourly NO<sub>x</sub>, corrected to 3% oxygen:

i. As a baseline unit: 70 ppmvd (115 ppmvd on liquid)

ii. As a cycling unit: 100 ppmvd (115 ppmvd on liquid)

iii. As a peaking unit: 125 ppmvd (225 ppmvd on liquid)

b. Hourly CO - 2000 ppmvd

c. Particulate Matter - 11 pounds per hour, and 0.01 grains/dscf (corrected to 3% oxygen)

3. This facility shall not emit more than 1,319 tons of NO<sub>x</sub> per calendar year, verified by CEMS data.

4. Emissions of NO<sub>x</sub> and oxygen shall be monitored using a Continuous Emission Monitoring System (CEMS). This monitoring

Fee Schedule: 2 (f)

Rating: 856800000 Btu

SIC: 4911

SCC: 10100701

Location/UTM(Km): 513E/3861N

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.

Trogon Development, LLC  
P.O. Box 1605  
Canovanas, PR 00729

By: **COPY**

**Brad Poiriez**

Air Pollution Control Officer

equipment shall be installed, maintained, calibrated and operated in accordance with manufacturer's specifications, 40 CFR 60 and 75, Rule 218, and Rule 1158.

5. The owner/operator (o/o) shall install and maintain a volumetric flow rate meter in the liquid line and gaseous fuel line (in conjunction with temperature and pressure probes in the gaseous line), or maintain a fuel log in the form and manner approved and prescribed by the District.

6. The o/o shall demonstrate that this equipment complies with the particulate matter limits (Rule 475) through emission compliance testing as follows:

- a. Not less than once every 12 months, unless the equipment is fired exclusively on natural gas
- b. Not less than once every 60 months for equipment fired exclusively on natural gas
- c. If diesel/distillate fuel is used within the 60-month period, compliance shall be demonstrated for firing natural gas and firing diesel/distillate fuel not less than once every 12 months.

7. This equipment shall be fired with pipeline quality natural gas with a sulfur content of no more than 800 ppm calculated as hydrogen sulfide at standard conditions, or liquid fuel having a sulfur content of no more than 0.5 percent by weight. Compliance with this condition shall be verified with fuel supplier sulfur content certifications. The sulfur content of liquid fuel shall be determined by use of ASTM method D 2622-82 or ASTM method D 2880-71 or equivalent.

8. The o/o shall conduct all required compliance/certification tests in accordance with a District-approved test plan and the MDAQMD Compliance Test Procedural Manual. Thirty (30) days prior to the compliance/certification tests the o/o shall provide a written test plan for District review and approval. Written notice of the compliance/certification test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification tests shall be submitted to the District within forty-five (45) days after testing.

9. The o/o shall submit to the APCO and USEPA Region IX the following information for the preceding calendar quarter by January 30, April 30, July 30 and October 30 of each year this permit is in effect. Each January 30 submittal shall include a summary of the reported information for the previous year. This information shall be maintained on-site for a minimum of five (5) years and shall be provided to District personnel upon request:

- a. Total plant operation time (hours);
- b. Date and time of each startup and shutdown;
- c. All CEMS data reduced and reported in accordance with a District-approved protocol;
- d. Maximum hourly, total quarterly and total calendar year emissions of NO<sub>x</sub> and Particulate Matter (including calculation protocol);
- e. Total quarterly and total calendar year usage of each fuel;
- f. Fuel sulfur content (supplier certifications);
- g. All excess emissions, including the information regarding malfunctions/breakdowns required by Rule 430;
- h. The HHV for liquid fuels burned shall be determined from daily samples and reported as a monthly average for each month (Rule 1158(E)(5)) for those months in which liquid fuel is burned.