



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

B003704

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: NOVEMBER 2024

OWNER OF OPERATOR (Co.#54)

Ducommun AeroStructures
4001 El Mirage Road
Adelanto, CA 92301

EQUIPMENT LOCATION (Fac.#246)

Ducommun AeroStructures
4001 El Mirage Road
Adelanto, CA 92301

Description:

BOILER #1, NATURAL GAS consisting of: A Superior Steam Boiler, model N4GPA200D, serial number 5803-5973, which is natural gas fired and rated at 8.4 MMBtu/hr.

CONDITIONS:

1. This equipment shall be 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.
[District Rule 204]
2. At all times, the owner/operator must operate and maintain this equipment including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the District that may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.
[40 CFR 63.7500(a)(3)]
3. This boiler must only be fired on regulated pipeline natural gas without the prior written approval of the APCO.
[District Rule 204]

Fee Schedule: 2 (d)

Rating: 8400000 Btu

SIC: 3479

SCC: 10200603

Location/UTM(Km):
447E/3829N

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.

Ducommun AeroStructures
4001 El Mirage Road
Adelanto, CA 92301

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

4. The owner/operator shall maintain an operations log for this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and/or Federal personnel, upon request. The log shall include, at a minimum, the information specified below:

- (a) Annual fuel use (in MMcf);
- (b) Annual heat input (in MMBtu) reports as required by condition 5;
- (c) Annual compliance test and/or tune up verification as required by conditions 6, 7, and 8; and,
- (d) If a different tune-up procedure from that described in Section (I) of District Rule 1157 is used, then a copy of this procedure (and approval, if required), as required by condition 6.

[District Rule 1157(E)(2) and District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]

5. The owner/operator shall monitor and record the High Heat Value and cumulative annual usage of each fuel. The cumulative annual usage of each fuel shall be monitored from utility service meters, purchase or tank fill records. A statement of the Annual Heat Input and annual fuel usage for the previous calendar year shall be submitted to the District no later than March 1 each year. This report shall be submitted to reporting@mdaqmd.ca.gov. This Annual Heat Input report will be reviewed annually to determine if this equipment is considered a High Annual Heat Input or Low Annual Heat Input unit for the previous year in accordance with District Rule 1157. A Low Annual Heat Input unit is defined as a unit with an annual heat input less than 50,000 MMBtu. A High Annual Heat Input unit is defined as a unit with an annual heat input greater than or equal to 50,000 MMBtu.

[District Rule 1157 (B) and (E)(2)(a)]

6. If this equipment is considered a Low Annual Heat Input unit based off the reporting requirements of condition 5, the owner/operator must tune this equipment at least annually in accordance with the procedure described in Section (I) of District Rule 1157; or, the manufacturer's specified tune-up procedure. Any modification the tuning procedure specified in Section of (I) of District Rule 1157 must be approved prior to use by the APCO, CARB, and USEPA. In lieu of an annual tune-up, the owner/operator may comply with the limits specified in condition 7, as verified by condition 8.

[District Rule 1157(C)(4)(b)]

7. If this equipment is considered a High Annual Heat Input unit based off the reporting requirements of condition 5, the owner/operator must meet the following emission limits, verified by a compliance test as outlined in condition 8. The compliance test must be completed on or before December 31 of the calendar year immediately following the year that the Annual Heat Input threshold was exceeded.

- (a) CO may not be in excess of 400 ppmv; and,
- (b) NOx may not be in excess of 30 ppmv, and/or 0.036 lbs/MMBtu of heat input.

During periods of unexpected curtailment of pipeline natural gas, and upon written approval from the APCO, this unit must comply with a NOx emission limit of either 150 ppmv (as NO2 at 3% oxygen at its maximum fuel firing rate); or, 0.215 lbs/MMBtu of heat input. This exemption shall not exceed the period of natural gas curtailment, and specifically includes equipment and emission testing time not exceeding 48 hours per calendar year, and requires APCO approval.

[District Rule 1157(C)(4)(a) and (D); 40 CFR 63.7575 - unit defined as "gas 2 (other) subcategory unit"]

8. The owner/operator shall demonstrate compliance with the emissions limits specified in condition 7 through compliance testing not less than once every 12 months, except for when an owner/operator is complying with condition 6, in which the equipment must be tuned not less than once every 12 months. All compliance testing must be done in accordance with the Test Methods and Procedures specified in District Rule 1157 and the District's Compliance Test Procedural Manual.

The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[District Rule 1157 (E) and (F) and the District's Compliance Test Procedural Manual]

9. The boilers as described under District permits B003704 and B003705 represent two identical boilers that are considered an aggregated source of emissions. If the Annual Heat Input of both boilers, combined, is defined as High Heat Input unit, the owner/operator must comply with conditions 7 and 8.

[District Rule 204 and 1157]

10. This equipment is subject to 40 CFR Part 63 Subpart DDDDD - National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. The owner/operator must be in compliance with the emission limits, work practice standards, and operating limits in this subpart. These emission and operating limits apply to you at all times the affected unit is operating except for the periods noted in 40 CFR 63.7500(f). This unit is subject to the work practice standards specified in 40 CFR 63.7540(a)(11) which require that the boiler receives a tune-up performed on a biennial basis. The tune-up shall be conducted as specified in sections 63.7540(a)(10)(i) through (vi). If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup. The requirements of this condition may be achieved through compliance with condition 6 provided that the tune-up procedure meets the requirements specified in 40 CFR 63.7540(a)(10)(i) through (vi) in addition to those required by District Rule 1157, Section (I).

[40 CFR 63.7505(a) and 63.7540 (a)(11) and (13) and 63.7515(d)]

11. Emissions from this facility must not exceed the following limits. The owner/operator must demonstrate compliance with these facility-wide emissions limits by calculating and recording, in tons, on a calendar month basis; and, totaling each consecutive twelve-month period.

(a) 15 tons of PM10

(b) 25 tons of NOX

(c) 25 tons of VOC

Emission calculations must be calculated using a District-approved method. The owner/operator shall maintain these calculations (monthly and consecutive twelve-month period totals), current and on-site (or at a central location) for a minimum of five (5) years, and must provide this data to District, State and/or Federal personnel, upon request.

[District Rule 1303 - basis: offsets]

12. The owner/operator must submit a facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants 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]