



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

AUTHORITY TO CONSTRUCT

B008389

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

EXPIRES LAST DAY OF: NOVEMBER 2026

OWNER OF OPERATOR (Co.#2577)

Merit Aluminum Foundry, Inc.
10774 Primrose Road
Adelanto, CA 92301

EQUIPMENT LOCATION (Fac.#1584)

Merit Aluminum Foundry, Inc.
10774 Primrose Road
Adelanto, CA 92301

Description:

FURNACE, ALUMINUM HOMOGENIZING consisting of: a JT Thorpe furnace whose dimensions are 12.5 ft by 22 ft by 19 ft high. It is served by two North American number 4422-8A, Lo-NOx burners, whose rating is 4.35 MMBtu/hr. The oven will hold batches of from approximately 75-160 billets, or about 115,000 lb of aluminum. Other subsystems for safety are included. Facility Elevation is 2967 feet above sea level.

CONDITIONS:

1. At all times, the owner or operator must operate and maintain this furnace, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions.
[District Rule 1302(C)(2)(a)]
2. This furnace shall only be fired with Public Utility regulated natural gas.
[District Rule 1302(C)(2)(a)]
3. The furnace under permit B008389 shall not use more than 30.5 MMcf in any consecutive 12 month period.
[District Rule 1320]

Fee Schedule: 8 (d)

Rating: 8700000 Btu

SIC: 3341

SCC: 30400199

Location/UTM(Km):
460E/3822N

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.

Merit Aluminum Foundry, Inc.
2480 Railroad Street
Corona, CA 92880

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

4. The owner/operator shall maintain the operating temperature at 1,075F or less.
[District Rule 1320]

5. This furnace shall not process any material other than clean aluminum billet.
[District Rule 1320]

6. The owner/operator is required to keep the area sufficiently free of metal shavings resulting from the cutting/sawing of aluminum billet so that it does not cross beyond the property line.
[District Rules 402 and 403]

7. The owner/operator shall log the volume of natural gas used per day to operate this furnace. Logs shall be maintained current, on-site for a minimum of five (5) years and made available to District personnel on request.
[District Rules 1303 and 1320]

8. Emissions from this facility shall be less than the following:

A. 20 tons/year of NO_x

B. 20 tons per year of VOC

C. 12 tons per year of PM₁₀

D. 8 tons per year for any single HAP and 20 tons per year for any combination of HAPs calculated on a rolling twelve-month basis.

HAPs are defined in 40 CFR 61.01 and are the chemical compounds listed in section 112(b) of the Clean Air Act (Act).

Facility complies with these emission limitations by compliance with the throughput and control efficiency requirements specified in each permit.

[District Rules 1303 - Offsets, 1201 - Definitions, 1202 - Applications]

9. 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]