



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

B012503

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: FEBRUARY 2017

OWNER OF OPERATOR (Co.#2259)

B & N Metals
9882 Buckwheat Road
Pinon Hills, CA 92372

EQUIPMENT LOCATION (Fac.#3622)

B & N Metals
9882 Buckwheat Road
Pinon Hills, CA 92372

Description:

FURNACE, ALUMINUM REVERBERATORY consisting of: A a rotary, batch-type unit manufactured by Mansell and Associates. The model is a "Fatboy Unit 32" and has a capacity of 5,000 pounds per hour. This furnace is equipped with a propane-fired, Hauck Burner system rated at 5MMBtu/hr. This furnace is controlled by the baghouse under permit C012504.

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 on propane fuel.
[District Rule 1302(C)(2)(a)]

3. This furnace is defined as a "Dross Only Furnace" located at an area source per 40 CFR 63, Subpart RRR - National Emission Standards for Hazardous Air Pollutants for Secondary Aluminum Production. As, such this furnace is exempt from the requirements of 40 CFR 63, Subpart RRR. Upon loss of this exemption, the requirements of 40 CFR 63, Subpart RRR are effective immediately.
[40 CFR 63, Subpart RRR]

4. This furnace shall only be charged with clean scrap or clean dross aluminum.

Clean scrap charge is defined as furnace charge materials, including molten aluminum Tbar; sow; ingot; billet; pig; alloying elements;

Fee Schedule: 2 (d)

Rating: 5000000 Btu

SIC: 3341

SCC: 30400103

Location/UTM(Km):
455E/3805N

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.

B & N Metals
10773 Hollister Road
Oak Hills, CA 92344

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

aluminum scrap known by the owner or operator to be entirely free of paints, coatings, and lubricants; uncoated/unpainted aluminum chips that have been thermally dried or treated by a centrifugal cleaner; aluminum scrap dried at 343 °C (650 °F) or higher; aluminum scrap delacquered/decoated at 482°C (900°F) or higher; and runaround scrap. Anodized aluminum that contains dyes or sealants containing organic compounds is not clean charge and is prohibited from processing. [40 CFR 63.1503]

Dross charge is defined as the slags and skimmings from primary aluminum melting and refining operations. [40 CFR 63.1503]

Furthermore, this furnace is restricted to charging only clean dross, meaning the metallic components of the original aluminum alloy must be no greater than the specified limits below:

// Pollutant // % Weight

Arsenic* // 0.002

Cadmium* // 0.004

Copper // 0.660

Chromium // 0.165

Lead // 0.198

Manganese // 0.198

Nickel // 0.550

Hexavalent Chromium // 0.00005

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*The Arsenic and Cadmium contents, specified above, exempt this furnace from 17 CCR 93107 - Airborne Toxic Control Measure for Emissions of Toxic Metals from Non-Ferrous Metal Melting per section (c)(2). Upon loss of this exemption, the requirements of 17 CCR 93107 are effective immediately.

[District Regulation XIII - NSR][17 CCR 93107][40 CFR 63, Subpart RRR]

5. The owner/operator must not charge more than 15 tons per day (30,000 pounds per day), and no more than 450 tons per month (900,000 pounds per month).

[District Rule 1320(E)and(F)]

6. An operations log must be maintained for this furnace, which, at a minimum, contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years, and must be provided to District personnel upon request.

A. On a daily basis, the owner/operator must record the date and the number of batches processed. For each batch processed, the owner/operator must record the type of charge processed (clean charge or dross), the weight of the charge (in tons or pounds), and the weight of the recovered aluminum produced (in tons or pounds).

B. The owner/operator must record the daily and monthly totals of the weight of the charge (in tons or pounds). The calendar month totals of charge weight must be summed for each consecutive twelve-month period.

C. The owner/operator must keep, for all clean charge received, documentation that verifies that the material meets the definition of clean charge as specified in condition 4.

D. The owner/operator must keep, for all dross charge received, a chemical analysis demonstrating that the metallic contents of the dross charge material meets the limits specified in condition 4. A chemical analysis is required for every load of dross charge received.

E. The owner/operator must record the daily and monthly totals of the recovered aluminum produced (in tons or pounds). The calendar month totals of the recovered aluminum weight must be summed for each consecutive twelve-month period.

F. The owner/operator must record the amount of propane burned, in gallons, on a calendar month basis and the total for each consecutive twelve-month period.

G. The owner/operator must keep the opacity results for the Visible Emission Determinations required by condition 10.

H. The owner/operator must keep records of maintenance and repairs made to the equipment.

[District Regulation XIII - NSR][17 CCR 93107][40 CFR 63, Subpart RRR]

7. An application for modification to this permit must be submitted, and a modified permit to operate must be approved and issued by the District prior to charging any material, whatsoever, other than those specified in condition 4.

[District Regulation XIII - NSR].

8. This equipment must not operate unless it is properly vented to the operating control device permitted under C012504.

[District Rule 1302(C)(2)(a)]

9. Visible emissions from this equipment shall not exceed an opacity equal to, or greater than, twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor [District Rule 401]. This equipment shall not discharge air contaminants or materials constituting a nuisance to any considerable number of persons or to the public [District Rule 402]. Compliance with this condition shall be verified on a monthly basis using a Visible Emission Determination (VED) per condition 10.

10. The owner/operator must periodically monitor opacity from fugitive emission points (the furnace and property line) according to the following methodology:

A monthly Visible Emission Determination (VED) and result must be recorded using the following procedures: Ensure that the observer's back is to the sun or artificial light, the observation spot provides a clear view of the emission point(s), observe the emission point(s) for a period of one minute, and designate the emission point(s) as "dusting" or "not dusting". If "dusting" is occurring, owner/operator must conduct a Visible Emission Evaluation using USEPA Method 22, and USEPA Method 9, on each dusting emission point if necessary, or shut down the equipment immediately.

[District Rule 401, 402 and 1302(C)(2)(a)]

11. The facility must submit accurate emissions inventory data 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]