TECHNICAL EVALUATION

AND

PRELIMINARY DETERMINATION

I. GENERAL INFORMATION

A. APPLICANT

Enkei Florida, Inc.
1401 Wheels Road
Jacksonville, FL 32218

Draft Permit No. 0310433-012-AC
County: Duval

B. PROJECT

The applicant, Enkei Florida, Inc., applied July 17, 2007 to the Department for a permit to construct/modify the automobile aluminum wheel manufacturing operation. A new chip melter will be installed. The facility includes aluminum melting (ingots and recycled wheels), casting, machining, and abrasive blasting. The melting furnaces, solution furnaces, and aging furnaces are fired with natural gas.

II. RULE APPLICABILITY

The facility is located in an area designated as unclassifiable for the air pollutants particulate matter less than or equal to ten (10) micrometers and for lead; and is located in the area of influence of an air quality maintenance area for particulate matter pursuant to Rule 62-204, Florida Administrative Code (FAC), and Jacksonville Environmental Protection Board (JEPB), Rule 2.201.

The facility is a minor source of air pollution because the potential emissions of regulated air pollutants are less than 100 tons per year pursuant to Chapter 62-210, FAC, and JEPB Rule 2.301.

III. TECHNICAL EVALUATION

Emission Unit No. 004- Aluminum Melt Furnace No. 2 and Chip Melter

The maximum process rate for aluminum melt furnace No. 2 shall not exceed 2,200 pounds per hour of aluminum. The maximum process rate for the chip melter shall not exceed 704 pounds per hour of aluminum.

The maximum heat input for aluminum melt furnace No. 2 shall not exceed 3.81×10^6 Btu per hour of natural gas. The maximum heat input for the chip melter shall not exceed 1.2×10^6 Btu per hour of natural gas.

The aluminum melt furnace and the chip melter are each allowed to operate continuously, i.e., 8,760 hours/year.

PM emissions shall not exceed 0.03 grains per dry standard cubic foot, 4.18 pounds per hour, and 18.30 tons per year.

VE shall not exceed five (5) percent opacity.

An Operation and Maintenance Plan shall be attached to and shall be part of this permit. All activities shall be performed as scheduled and recorded. Data shall be made available to the Department upon request. Records shall be maintained on file for a minimum period of two (2) years.

IV. CONCLUSION

Based upon information provided by Enkei Florida, Inc., the Department has reasonable assurance that the proposed construction/modification of the automobile aluminum wheel manufacturing operation, as described in this evaluation and subject to the conditions proposed herein, will not cause, or contribute to a violation of any ambient air quality standard or other technical provision of Chapters 62-296 and 62-297, FAC, JEPB Rules 2.1001 and 2.1101.

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