

**TECHNICAL EVALUATION
AND
PRELIMINARY DETERMINATION**

I. GENERAL INFORMATION

A. APPLICANT

Kraft Foods Global, Inc.
Maxwell House Coffee Division
735 East Bay Street
Jacksonville, FL 32202

Permit No.: 0310004-015-AC
County: Duval

B. PROJECT

This permit is for the replacement of the four existing thermal afterburners of EU-506 – Batch Roasters with four catalytic afterburners.

II. RULE APPLICABILITY

The facility is located in an area designated as attainment for the air pollutant sulfur dioxide (effective March 8, 1999), as unclassifiable for the air pollutant particulate matter less than or equal to ten (10) micrometers, and an air quality maintenance area for air pollutants particulate matter and ozone pursuant to Chapter 62-204, Florida Administrative Code (FAC), and Rule 2.201, Jacksonville Environmental Protection Board (JEPB).

Prevention of Significant Deterioration requirements do not apply since this modification is not subject to preconstruction review requirements pursuant to Rule 62-212.400(2)(a), FAC, and Rule 2.401, JEPB.

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

III. TECHNICAL EVALUATION

EU No. 506 – Batch Roasters: (4) batch coffee bean roasters with (4) - cyclone in series with Enetex Catalytic Afterburners.

The maximum process rate for each roaster shall not exceed 5,500 pounds of coffee beans per hour.

The nominal volumetric flow rate for each roaster is 1,984 cubic feet per minute.

The hours of operation for this emissions unit shall not exceed 8400 hours per year.

PM emissions for each roaster shall not exceed 0.021 grain per dry standard cubic foot, 0.36 pound per hour, and 1.50 tons per year.

VE for each roaster shall not exceed to 5 percent opacity.

Each afterburner shall maintain a minimum operating temperature of 770 °F.

The owner or operator shall install, calibrate, maintain, and operate a temperature measurement device for each afterburner.

A record shall be maintained of all periods that the afterburners are shutdown during the operation of the coffee roasters. These records shall contain sufficient information to calculate uncontrolled emissions during the shutdown and shall be a part of the monthly recordkeeping requirements.

IV. CONCLUSION

Based upon information provided by the Kraft Foods Global, Inc., the Department has reasonable assurance that the proposed Batch Roasting afterburners replacement, 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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