

TECHNICAL EVALUATION
AND
PRELIMINARY DETERMINATION

I. GENERAL INFORMATION

A. APPLICANT

BPB Manufacturing, Inc.
9225 Dames Point Road
Jacksonville, Fl. 32226

Permit No: 0310202-010-AC
County: Duval

B. PROJECT

On August 18, 2005, the BPB Manufacturing, Inc., submitted an application for a construction permit to the gypsum wallboard manufacturing plant in Jacksonville. The modification allows an increase in the maximum square feet production of gypsum wallboard produced. Process rates have been increased and testing requirements clarified. A new baghouse will be installed on EU no. 005.

II. RULE APPLICABILITY

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

The facility is currently a major source of air pollution because the potential emissions of regulated criteria air pollutants are greater than 100 tons per year. The facility is classified as minor for Hazardous Air Pollutants (HAP) since the potential emissions of Hazardous Air Pollutants (HAP) are less than 10 tons per year for a single HAP and less than 25 tons per year for total HAPs in accordance with Rule 62-210, FAC, and JEPB Rule 2.301.

The project has not triggered any new applicable provisions. Prevention of Significant Deterioration (PSD) requirements do not apply since the facility is classified as a minor emitting facility for PSD purposes (i.e., potential to emit any one pollutant is less than 250 tons per year), and the modification/construction itself has a potential to emit less than 250 tons per year of any one pollutant.

III. TECHNICAL EVALUATION

EU No. 001--- EU no. 001 will be changed to indicate a reallocation of dust generated at EU 018 (knife hog) which will now be collected and captured by the EU 001 baghouse. The process rate of the hammermill will be increased from 75 TPH to 150 TPH.

EU No. 004---The process rate of the pin mixer will be increased from 68.14 TPH to 71.5 TPH. A condition will be inserted to limit the wallboard line speed to 230 feet per minute and wallboard production limit to 55,200 square feet per hour.

EU No. 005---A new baghouse will be installed on this EU. A condition will be inserted to limit the wallboard line speed to 230 feet per minute and wallboard production limit to 55,200 square feet per hour.

EU No. 007---Testing requirements have been clarified in relation to the maximum process rate.

EU No. 008--- A condition will be inserted to limit the wallboard line speed to 230 feet per minute and wallboard production limit to 55,200 square feet per hour. Testing requirements have been clarified in relation to the maximum process rate.

IV. CONCLUSION

Based upon information provided by the BPB Manufacturing, Inc. the Department has reasonable assurance that the proposed modification of the BPB Manufacturing, Inc., gypsum wallboard manufacturing plant, 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.