TECHNICAL EVALUATION
AND
PRELIMINARY DETERMINATION

I. GENERAL INFORMATION

A. APPLICANT

Georgia Pacific Wood Products LLC
Palatka Chip N Saw
234 Comfort Road
Palatka, Florida 32177

Permit No.: 1070030-007-AV
County: Putnam

B. PROJECT

On March 1, 2006 the Department received an Application For Air Construction Permit and Title V Source Renewal for Georgia Pacific Corporation - Palatka Chip N Saw. The applicant requested a construction permit to add the Plywood MACT 40 CFR 63, Subpart DDDD; to incorporate Project 005 Administrative Correction; to incorporate the new 35" Bark Hog as an insignificant emissions unit; to add the Shaker and roads to the insignificant list; to update the emissions factors for methanol, CO, NO_x and PM; To eliminate the Trim Hog Cyclone from operation and to increase the board foot per batch for each kiln from 125,000 BF/batch to 135,000 BF/batch.

II. RULE APPLICABILITY AND TECHNICAL EVALUATION

Hours of operation are not limited: 8760 hours per year.

Emissions Unit 001 consists of Two Direct- Fired Lumber Kilns. The PM_{10} emissions factor has been modified and the Plywood- MACT 40 CFR 63, Subpart DDDD has been added to the permit. The kilns use the heat from the carbonaceous (wood waste) burners to dry green lumber. The maximum design heat input of each burner is 26 MMBtu per hour. The primary fuel for the kilns is green sawdust. The sawdust is fed to each kiln through an auger feed system. The East kiln's fuel auger feeds approximately 12 lbs per revolution. The West kiln's fuel auger feeds approximately 17 lbs per revolution. On-spec used oil may be fired in the kiln. This emission unit is regulated under Rule 62-296.410, F.A.C.

Visible Emissions from this emissions unit shall not exceed 20 percent opacity, except for one two-minute period per hour during which opacity shall not exceed 40 percent.
[Rule 62-296.410(2)(a), F.A.C.; and 1070030-002-AC]

The test method for visible emissions shall be DEP Method 9, incorporated in Chapter 62-297, F.A.C. A transmissometer may be used and calibrated according to Rule 62-297.520, F.A.C. See Specific Condition A.5. The compliance testing shall be conducted once each federal fiscal year.
[Rules 62-296.410(3)(a), 62-297.401, and 62-297.440, F.A.C.; and 1070030-002-AC]

Permitted Capacity. The maximum heat input rate of each burner is 26 MMBtu per hour. [Rules 62-4.160(2) and 62-210.200, (PTE), F.A.C.; and 1070030-002-AC]

Maximum Throughput Rate. Changed from 125,000 BF/ Batch to 135,000 BF/ Batch.

III. CONCLUSION

Based upon the information provided by the applicant, the Department has reasonable assurance that the proposed permit to add the Plywood MACT 40 CFR 63, Subpart DDDD; to incorporate Project 005 Administrative Correction; to incorporate the new 35" Bark Hog as an insignificant emissions unit; to add the Shaker and roads to the insignificant list; to update the emissions factors for methanol, CO, NO_x and PM; To eliminate the Trim Hog Cyclone from operation and to increase the board foot per batch for each kiln from 125,000 BF/batch to 135,000 BF/batch, as described in the application and addendums and subject to the conditions proposed herein, will not cause or contribute to a violation of any technical provision of Chapter 297 F.A.C.

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