

Arkansas Department of Pollution Control and Ecology  
Division of Air Pollution Control

Summary Report Relative to Permit Application

Submitted By: Georgia-Pacific Corporation  
Ashdown (Little River County)

CSN: 410002      Permit No.: 287-AR-6      Date Issued: 12/31/91

Submittals: 10/16/91

**SUMMARY**

The Georgia-Pacific Corporation (GP) in Ashdown has proposed to slightly increase the firing rate of black liquor solids in its #3 recovery boiler. Permit 287-AR-5 listed a 4.5 million pounds/day of black liquor solids limit. The recovery boiler has a capacity to burn black liquor solids (BLS) greater than this rate without a physical modification. GP desires to increase the permitted rate slightly, but not so much as to trigger a PSD review. The permitted hourly pollutant emission rates, established under a PSD permit, will not increase as a result of this permit modification. The hourly and annual permitted burning rates of the black liquor solids will increase.

Calculations show that SO<sub>2</sub> is the critical pollutant in terms of PSD significance, and an extra 20,785 tons/year of BLS may be burned without triggering the 40 tons/year SO<sub>2</sub> significance level. The previous permitted BLS burning rate was 821,250 tons/year, so the new annual BLS permitted burning rate is 842,035 tons/year.

This permit is issued on a temporary basis, and its terms shall be incorporated into the pending consolidated permit when it is written.

Reviewed By: Courtney Garland  
Applicable Regulation: SIP

Approved By: J.B. Jones

**SPECIFIC CONDITIONS**

1. For recovery boiler #3, the following limits shall be in effect: 110.42 tons BLS/hr firing limit and 842,035 tons BLS/12 month firing limit.

<u>Pollutant</u>	<u>Allowable lb/hr</u>	
PM10	93.5	0.044 gr/dscf 20% opacity
SO2	425	
NOx	270	5.3 lb/ADT
CO	856	16.8 lb/ADT
VOC	137	
TRS	6.6	5 ppm
H2SO4	4.2	

2. OPERATING/REPORTING CONDITIONS: The BLS firing rate for the #3 recovery boiler shall be calculated by measuring the flow of strong black liquor and multiplying this flow by the measured weight concentration of solids in the liquor. The flow of the strong black liquor shall be measured with a flow meter and shall be recorded at least once per month. The weight concentration of solids in the liquor shall be measured at least once per month.

GP shall keep monthly records, in a log book, on the flow meter readings and BLS weight concentrations. Using these records, GP shall be responsible for preventing the above stated maximum BLS firing rate (842,035 tons, 12 month rolling total) from being exceeded. An exceedence of this rate shall be considered a violation of PSD regulations. GP shall notify this office immediately if the maximum rate is violated.

An annual report listing the amount (monthly and annual) of BLS burned during the previous calendar year (Jan. 1- Dec. 31) shall be due to the Department by February 1 of the following year, beginning in 1993. The report shall be signed as being accurate by a corporate officer and shall be considered legally binding.

3. CONSOLIDATED PERMIT APPLICATION: GP shall submit a completed permit application to this Department by 2/1/92 for a consolidated permit. The application shall include all pollutants and all emissions sources located at the facility. This permit shall become part of the consolidated permit when it is completed.