



ANHUI TIANDU PAPER COMPANY LIMITED

Pre-soaking of Straw Before Feeding into Digester

SUMMARY OF THE OPTION

Anhui Tiandu Paper Co. Ltd. is a medium size paper company in the Liushipu Industrial Development Area, Anhui Province, China, and currently produces up to 50,000 tons of industrial paper per year for the domestic market, but expanding production capacity to 200,000 tons/year.

It was observed that the straw was fed into the digester manually and that the feeding capacity was limited. As a result, energy consumption for the cooking process increased per ton of pulp. The option proposed for implementation was to pre-soak the selected straw chips in hot water (about 90°C), and thus, adjust the uniformity of straw in the digester. It will help to increase production and equipment efficiency, save steam and electricity consumption by large motors. The new method plays a great role in decreasing the ratio of pulp and solid waste (the existing ratio is about 10%, and the desired ratio is below 5%).

KEY WORDS

Pulp and Paper, China, Digester

FOR MORE INFORMATION

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