Effluent Clarification
Water Treatment
Papermill Equipment

KROFTA® ENGINEERING CORPORATION

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December 23, 1982

Stevens & Thompson Paper Company
P.O. Box 206
Greenwich, New York 12834

Attention: Mr. Glen Ketchum
Papermill Superintendent

Re: Stockwashing System Water Clarification Krofta Supracell
Our Quotation No. 82163

Gentlemen:

We wish to refer to the meeting on December 22nd in your office with Mr. Glen Ketchum, Mr. Lawrence E. Myers, Mr. Al White, the gentlemen from Excher Wyss and Dr. M. Krofta from our company.

In the following we will review the items discussed:

A) CALCULATION OF SUPRACELL SIZE AND CAPACITY

Assumed are the following data:

Net production of washed stock	70 TPD
Expected loss with washing	17.5 TPD
Lowest consistency for washing	0.8 %

The above data resulted in the following

Incoming flow to the Vario-Split	1813 GPM
Water leaving with stock (4%)	290 GPM
Water leaving the Vario-Split	1523 GPM

Capacity of the Supracell

1523 x 1.2 (pressurized recycling) x 1.3 (safety and overloading)
= 2376 GPM

The Krofta Supracell Type 33 has a maximum hydraulic capacity of 2580 GPM and a maximum solids load at inlet of 23 TPD. The next smaller unit the SPC 30 has a maximum flow of 2090 GPM and maximum solids load of 18.6 TPD and this is below the above calculated figures. The price would be reduced by appx. 10% but the capacity would be reduced by 19%.