

FILE NAME: Shree Digvijay (SDV)

DATE: 1977 Sept 23

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DOCUMENT DESCRIPTION: J-M Process Development Division Memo RE Fiber Processing at Shree Digvijay

Date September 23, 1977

Fiber processing at Shree is by means of one Canadian willow @ 1250 RPM, which supplies all 3 pipe machines with fiber. Fiber processing for the sheet machine is by means of wet kollergang processing plus hydro-disintegrator.

Their present standard fiber mix and processing for their corrugated sheets was as follows: (40% water added by weight)

<u>Fiber Grade</u>	<u>%</u>	<u>Time in Kollergang for 150 Kg Load</u>
Cassiar CT	15.16	15 minutes
Cassiar CY	13.63	15 minutes
Russian P5-50	45.46	9 minutes
Russian P6-45	15.15	9 minutes
Indian "C"	10.60	15 minutes

% Fiber in sheet - 12.79%

They normally substitute JM S4T3 for Cassiar grades when using J-M fiber in the mix. Shree indicated no problems with their corrugated sheet production when using J-M fiber.

C. Review of Dust Problem

The Indian Government Environmental Division has been recently tightening dust emissions and Shree has been told to either shape up or close down with their management liable for jail sentences. Their present operation is just indescribably poor. The wet end of the pipe machines is like "London fog" with fiber floating all over from the fiber bins, which are "open air" chambers where workers are sent into to shovel willowed fiber into bags. Further, their willowing system, instead of operating under negative pressure was actually a positive system, exhausting into the fiber bins without dust collection. We advised Shree to repair their negative system dust collector which was 50% loaded with fiber, with half of the dust bags broken.

We further advised Shree to provide a dust collector for cement handling since at present there is no dust collection at cement handling areas, which results in cement floating all over the equipment. The same was recommended for their pipe finishing operation, which has no dust collector and the existing air cyclones throw all of the fine dust into the atmosphere.

GENERAL COMMENTS

Mr. V. N. Somani asked what could we recommend to improve their ovality problem for large diameter pipe, which is made without Blue/Amosite fiber. We informed him that J-M had developed a chemical spray system called "TEA" and that he would have to request our Technology Licensing Department for possible transfer of this technology.