

TO E. Schwartz AT Burlington DATE December 6, 1976

FROM R. Fanter AT Flemington COPY TO D. Coldiron

SUBJECT Water Stripper J. Jacob

Filtration Requirement J. Sandstedt ✓

 P. Scheiner

 E. Schenke

 C. G. Thompson

I have reviewed you memo of November 29, 1976 for defining the filtration problem on the feed to the Flemington waste water stripper. Since you require the data by December 10, it will not be possible to run any plant trials or get any lab work done. Therefore, listed below is the "best available" estimate of the answers to your questions:

1. The total filterable solids will vary from 0 to 1%.
2. Due to time limitations it is not possible to send samples to a filter manufacturer.
3. The size of the filterable solids is guesstimated at:

On 10 Mesh	30%
On 100 Mesh	90%
Total	100%
4. Since the material being filtered out is polyvinylacetate, the pressure drop for various depth of cake is unrelated. At 1/16" thickness you are totally plugged.
5. The sticking/agglomerating tendency cannot be controlled by Ph adjustment. As far as use of carbon steel goes, if you adjust the Ph to 7, you can obviously use it.
6. I do not have any idea if a dispersing agent could be used to avoid the plugging problem.

DEC 8 1976


Robert F. Fanter