



DOW CHEMICAL U.S.A.

February 18, 1982

P. O. BOX: 1847

MIDLAND, MICHIGAN 48640

Kenneth Sutton
Technical Center
Bird & Son, Inc.
East Walpole, MA 02032

PLAINTIFF'S EXHIBIT

BIR-949

Dear Ken:

Enclosed you will find two handsheets of composite roofing paper. One was made with Glenwood rock and the other using Georgia Marble No. 9 NCS. The retention of the Glenwood rock was very poor. This is easily observed by looking at the screen side of the sheet. The screen used for the handsheets was 90 mesh and thus caught much of the material. In your mill this would not be the case and this unattached material would permeate and collect throughout the system. In addition this coarse material would quickly ruin felts, screens, pumps, press rolls, etc. The screen analysis of the Glenwood rock shows a high percentage retained on the 80 mesh and larger screens, this is the material causing the problem. Normally we would look for 0 retained on a 50 mesh and a distribution that would pass 70% or more through a 325 mesh. The Georgia Marble material works well, it passes about 93% through a 325 mesh.

Macrofil No. 4, produced by Calcium Carbonate Products Co., Div. of J. M. Huber, Marble Falls, Texas has been used successfully. There are probably other filler suppliers nearby that could furnish a finer filler. We would very much like to evaluate, before a mill trial, any filler that you find available and feasible to use.

A mill trial plan for the Shreveport mill is being developed. As soon as it is completed we will be in touch with you.

Sincerely,

D. H. Clarey
Designed Products
2040 Dow Center
517/636-3280

Enclosures (2)

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AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

BIRD 014000



