Monsanto

FROM (NAME & LOCATION): N. W. Touchette - Galt 1730

DATE: December 27, 1976 cc: M. W. Farrar R2E

SUBJECT: Status of Monsanto Phthalate Esters as Capacitor Impregnants

REFERENCE: R.E. Hatton Memo 9-1-76

TO: T. G. Iversen
B3NC

There has been no research activity on this subject since the July 29 meeting referred to in Roger Hatton's memo. Prior to this time we had made recommendations for products tested by the Dielectrics Research group.

We are in basic agreement with the plan indicated in the mentioned memo. Our chance for participation in this market appears to be rather slim based on our knowledge at this point in time. We further agree that a follow-up call should be made to the capacitor fluid customers with a view of obtaining more information on present present products, as well as informing them of the proved properties obtainable with Santicizer 160 or Santicizer 261. These improved properties are in initial dielectric strengths. The poor dissipation factor may be a burden which we may not be able to overcome. Therefore a call upon potential customers to review this performance is needed before we can reach a final judgment on this application.

Furthermore, these potential customers have experience in improving the dielectric properties of such materials as DOP. They may be able to apply the same technology to benzyl phthalates.

Our research capability in the way of either equipment or manpower is essentially nil. To gear up to do a comprehensive program in this area would require extensive equipment purchases, as well as increased manpower requirements. This is not intended to prevent us from tackling a program if so warranted only to forewarn you of the problems we will encounter.

If you have further questions give me a call.

N. W. Touchette

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