Monsanto

FROM (NAME & LOCATION) J. G. Bryant - St. Louis

DATE : October 19, 1970

SUBJECT : Minutes of Meeting on Dielectric Cable Oil

REFERENCE :

TO : PRESENT: J. Roder
D. Roush
J. Bryant
M. Baber
R. Davis

cc: P. G. Benignus
J. R. Fallon
D. E. Roush
D. Weiss - DWEIS
W. R. Richard - WRICH
R. Davis
M. F. Baber
J. J. Roder - Chicago
J. S. Pullman - New York
R. H. Munch - Queeny

PURPOSE: The meeting was called to review with the concerned parties what had transpired on this project. J. Roder was in town for other meetings. This seemed an opportune time for review. Unfortunately, another meeting for research was scheduled and Dick Weiss could not be present. Research work was presented by J. Bryant.

DETAILS: Roder reviewed his contact with Commonwealth Edison in Chicago. From this visit arrangements have been made for sample evaluation at Commonwealth. The need was pointed out to contact the cable companies for testing, likewise. A number of contacts were outlined in Roder's report, mostly in the New York area. It was decided that Jay Pullman could establish contacts at these locations and would be of considerable assistance. Since Baber had previously set up a visit with Anaconda it may be likely that this call would be joint. Roder mentioned that polybutene at 50¢/gal. was being used in this application in preference to mineral oil, which is much cheaper. There are some reasons like stability and uniformity for using the higher priced fluid but the need to know was pointed out. Roder will try to get samples of polybutene. Apparently the supplier of polybutene cannot meet this order with one supplier and must go to a second source. It was pointed out that we must obtain AEIC specification to the cable oil application. It was pointed out that the customer will not likely pay more than for polybutene 50¢/gal. and would likely seek a cheaper fluid.

Mike Baber pointed out the market could be as high as 5 M dollars for these cable oils in 5 years. He also mentioned that we have butene streams and could later enter this field.

The status of the material evaluation to date was, the two streams (high and low) weight were evaluated electrically and looked extremely promising. Separate

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samples of each stream are being laboratory refined and evaluated. A test sample of the most promising material will be forwarded to Commonwealth for aging tests.

ACTIONS NEEDED:

1. Obtain AEIC for polybutene specification as a guide.
2. Obtain samples of light and heavy polybutene for evaluation.
3. Contact cables companies to determine what is needed, potential of cables system, application and composition of system and proper contacts to gain acceptance.
4. Obtain the optimum material for use that is physical and electrical properties.

ACTION/ASSIGNMENT:

1. Contact AEIC for specification on cable oils - Baber
2. Obtain samples of polybutene - Roder
3. Assign MCS number - Bryant
4. Send sample to Commonwealth - Bryant-Weiss-Roder
5. Contact Cable Co. - Pullman

J. G. Bryant

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