P. O. Benignus - St. Louis

May 5, 1972

T. L. Gossage
C. Paton
Dr. W. R. Richard
Dr. R. H. Munch
P. Slayton-1650
J. Bryant - 1940

Dielectric Fluids Meeting With GE Company, Hudson Falls, New York 5/3/72.

H. S. Bergen

Following the same order of topics as given in the agenda for the meeting, we would comment briefly as follows:

I. Discuss Aroclor 1016 Performance

The GE people describe their experience with Aroclor 1016, on a commercial basis since 10/70, as giving entirely satisfactory performance.

Life tests to date, and the known characteristics of MCS 1043 certainly indicate that this material would also give satisfactory performance. Evidently GE did not observe any advantage to MCS 1043 by way of easier or more efficient impregnation. It is not apparent that they would pay a premium for this material and it did appear that if PCB_s "go" this would also include MCS 1043.

II. Discuss Biodegradation of Aroclor 1016

Several hours were spent on this subject as Monsanto did all possible to inform GE. GE shares need for this to be given to government agencies. This is helpful but remains not conclusive.

III. Discuss PCB Replacements

MCS 1238 was described to the full extent possible according to Monsanto testing facilities. It appears that GE accepts Dr. Munch's data without question and are quite anxious to proceed with capacitor impregnation and life testing.

Two other candidates of interest were discussed briefly. As these are not yet coded with MCS numbers and as we are not to speak in chemical terms, I am not disclosing their composition in this writing.

IV. Metallized Film Capacitors MONS 098889

A. Performance of fluid samples sent to General Electric, early Fall, 1970.

We did not get to this subject at all, and look forward to pursuing it at a reasonably near term. Because PCB_s would be most vulnerable in the ballast area and as metallized film capacitors fit this area, and as we are heavily dependent on GE guidance in this area, obviously we seek to learn their views as promptly as possible.

V. Explore Future Directions of Capacitor Technology

This subject was not covered, except that it is clear that GE has little enthusiasm for mineral oil.

VI. Discuss Japanese Capacitor Industry Replacement for PCB_s.

If anyone were able to handle this subject it would be Mike Scoville. He did not attend our meeting because he was tied up with visitors from Liljeholmens. Mike asked whether we could come up to Hudson Falls in the not too distant future as this is one subject among others that he would like to talk about.

VII. Coordinate General Electric-Monsanto Strategy to Retain use of Aroclor 1016

While we did not get around to this subject, it is quite obvious that both GE and Monsanto are geared to retain the use of Aroclor 1016.

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General Comment:

From the above it is quite apparent that in the time available it was possible to cover only about half of the subject material on the agenda. We will want to return, or if preferred, GE could come to St. Louis.

P. G. Benignus

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