M.A. PETRILLI - AKRON 1010 DATE OF CALL: 4/21/76

DATE April 22, 1976

SUBJECT McGraw-Edison
Canonsburg, Pa.

REFERENCE

cc J. Alley
R. Hatton

TO : David Wood - St. Louis

CONTACTED: Bill Kingsolver, V.P. & General Manager
Power Systems Division

BACKGROUND: Jim Alley suggested I make contact with Mr. Kingsolver during a Pittsburgh visit. This was my first call here, and it allowed for a brief status report on Aroclor replacements.

"EDISOL": Edisol is the name of the Dow XFS 4169L used in McGraw-Edison power capacitors, that has been in development since 1971. McGraw-Edison believes this fluid is the best choice now, because it will allow them to change from an environmental hazard to a fluid that is environmentally acceptable, with no sacrifice in capacitor design.

M-E clearly believes the Edisol is superior to our MCS-1238 in power capacitors, and is at least as good as A-1016! The two disadvantages vs. A-1016 are:

1. Lower fire resistance

2. Price

However, M-E fully expects utilities, which are the major high-voltage power capacitor users, to be willing to pay a premium for an environmentally safe fluid. Edisol capacitors will be approximately 15% more costly than equivalent A-1016 capacitors.

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M-E has discussed Edisol with GE and offered to license its use. GE has made no committment and M-E does not know what GE will do. Mr. Kingsolver believes that GE will be making a mistake if they use phthalate esters for power capacitors, because of the reduced reliability.

M-E has the capability of making 100 Edisol capacitors per week now, and is making a limited volume. They do not expect to be making large volumes until some time in 1977.

FUTURE ACTION (MAP):

Telephone Mr. Kingsolver when a decision is made on the future of our dielectrics program, to let him know of our plans.

Mike Petrilli

MP/rad