MITSUBISHI MONSANTO CHEMICAL COMPANY

FROM LOCATION : Tokyo

DATE : July 8, 1971

SUBJECT : AROCLOR REFINING

REFERENCE : Your Memo July 1, 1971

TO : Mr. W. B. Papageorge
St. Louis, Mo.

cc: Messrs.
P. G. Benignus
H. S. Bergen
D. Danna
T. L. Gossage
T. Katayama
R. E. Keller/E.S. Tucker
R. H. Munch
W. R. Richard
S. Uneno
E. P. Wheeler

This will acknowledge receipt of your memo and the attached 15 reports, all relating to the biodegradability and toxicity of Aroclors.

At MMK, we are under substantial critical pressure from both national and prefectural ministries, because the available data have been insufficient to satisfy them on the improved biodegradation of Aroclor 1016. Even though it is obvious that the data show comparatively rapid removal of chlorinated isomers in the lower range, the presence of Cl_4 and higher chlorinated compounds is criticized -- even if these may be only one-tenth of the concentration in Aroclor 1242. I suppose this is a natural fear of persistence. Since the effluent from the Yokkaichi plant, where our Aroclor unit is located, discharges into a large bay which is extensively used for fishing and oyster cultivation, reduction of higher chlorinated biphenyls to an economic level in 1016 is still considered a potential threat. We shall need any additional degradation data on Aroclor 1016 before we can introduce Aroclor 1016 as an improved product over Aroclor 1242.

My congratulations also on your expanding responsibility. I am sorry we were not able to get together while I was in St. Louis.

Best regards,

John
J. R. Durland

JRD:fu