Monsanto

COMPANY CONFIDENTIAL

FROM (NAME & LOCATION) K. E. Boucher, Krummrich

DATE : July 2, 1971

cc: A. E. Leisy

SUBJECT : AROCLOR COLUMN START-UP MEETING OF JUNE 1, 1971

REFERENCE : WITH PRODUCTION AND TSD

TO :
W. C. Engman
R. M. McCutchan
O. A. Meyer
E. E. Stewart

A simulation study of the performance of the Aroclor distillation column under varying conditions will be made by TSD. Purpose is to 'troubleshoot' the column before start-up and then to find the best operating policy for maximizing rate while maintaining the desired Aroclor 1016 and Monochlorobiphenyl quality. Also we will look at minimizing Aroclor residue to maintain a balance with Aroclor 1254 and 1260 production requirements.

The column is due to start-up on August 1, 1971 with Aroclor 1016. After a two week production run, the column will be switched to Monochlorophenyl. Quality constraints are maximum of 1% and 0.4% polychlorobiphenyl for Aroclor 1016 and Monochlorobiphenyl respectively. About 35 M lbs/year of Aroclor 1016 and up to 2 M lbs/year of Monochlorobiphenyl is required.

Most of the physical property data has been obtained or estimated. D. Cova will provide additional relative volatility data for dichlorobiphenyl's in Monochlorobiphenyl residue. MISD's batch simulator is targeted for a July 23 completion in order to assist the start-up.

Ken Boucher

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