Aroclor Column Start-Up

DSW 297553

To: W. Engman
R. McCutchen
O. Meyer
E. Stewart

A simulation study of the performance of the Aroclor distillation column under varying conditions will be made ~~prior to August start-up~~. Purpose is ~~primary~~ to trouble shoot the column before start-up and then to evaluate operating policy for maximizing rate ~~and~~ while maintaining quality Aroclor 1016 and Monochlorobiphenyl. Also we will look at minimizing Aroclor residue to maintain a balance with 1254 and 1260 production requirements.

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

Most of the necessary physical data has been obtained

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a estimated .2 Cova is providing additional relative volatility data for dechlorobiphenyl. MFSO's boiler simulator will be used to make various runs. This study is targeted for a July 23 completion to assist the start-up

K. E Bowden

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