Monsanto

FROM (NAME & LOCATION) W. B. Dunlap - Anniston Plant

DATE : April 6, 1971

SUBJECT : SOLID AROCLOR EVOLUTIONARY OPERATION

REFERENCE Memo WBD to GWM, et al 4/1/71

TO : G. W. Miller

This Copy For

CC: J. L. Corder
V. R. Haupt
J. C. Landwehr
J. L. Murphree

Reference memo noted the difficulty we have found since January in getting essential data recorded to permit Evolutionary Operation. I recommended suspending our EVOP under these conditions. Since that memo was written, other evidence came out to further discredit this period as valid Evolutionary Operation.

A review of EVOP records shows a significant difference in process control before and after the January shutdown. Prior to the shutdown, most chlorinator and still batches were closely controlled within the guidelines set by the EVOP. Since then, deviations in chlorinators and stills have been so frequent that this period cannot be considered as representative of EVOP. Particularly serious has been a reduced cut-off temperature on the #2 still batch which leaves product in the still, with consequent poor yields and high loss in bottoms.

Following is a tabulation of the data comparing these periods in process control, yields and losses:

Period	Ave. SWR Usage	Ave. Losses (Drums Montar)	Ave. Cut-off Temp. #2 Batch in #5 Still
EVOP before January	52.96	23.1	375
EVOP after January	58.83	27.3	366

Santowax usage has been high since January on Aroclor 5460. There have been numerous equipment problems with associated loss of material, but, in addition, the improvement of yield found when we went to EVOP in October was lost when process control drifted from EVOP guidelines.

W. B. Dunlap

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