

Robt Mc Cartahan

Messrs.

E. J. Wipfler - General Offices
R. J. Stratmeyer - General Offices
H. C. Carder - General Offices
R. D. McCoy - General Offices

N. L. Sample - General Offices
C. E. Anagnostopoulos - S. 2nd St.
R. E. Howard - General Offices
J. R. McClain

August 1, 1967

MONSANTO COMPANY

ORGANIC CHEMICALS DIVISION

To: The Director of Manufacturing
Organic Chemicals Division

Estimate No. 5334
Dept. 246 - Aroclor
W. G. Krummrich Plant, Sauget, Illinois

PROVIDE FOR AROCLOR STILL'S
PREHEATER

Capital Addition - \$6,320

Dismantling Expense - 120

Appropriation Requested - \$6,440

New Earnings - \$135,000/yr. B.T.

DESCRIPTION OF PROJECT

This project provides for an aroclor still preheater and pump to increase department capacity.

APPROVALS

Plant Manager ORIGINAL SIGNED BY
J. A. MORGAN Date 8/4/67

Technical Production Manager _____ Date _____

Director of Manufacturing _____ Date _____

DSW 256213

STLCOPCB4061205

Estimate No. 5334
Dept. 246 - Aroclor

BACKGROUND INFORMATION

Aroclor is in a sold out position despite the fact that Dept. 246 is operating at or above its capacity of 30.0 M #/yr. A major aroclor expansion is being planned, but increased production is necessary to meet sales through 1968.

NEED FOR PROJECT

The increased production of aroclors will result in new earnings of \$135,000-B.T. on 1.85 M lbs. of product during 1968.

Use of a still preheater will increase capacity from 2.5 M #/Mo. to 2.65 M #/mo.

PRESENT SITUATION

The aroclor sales forecast (H. J. Day - 7/13/67) and proposed increased capacity in M lbs:

	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>
Sales Forecast -	--	33.3	37.2	40.4	44.0
Production Capacity -	30.0	33.3	-- Major Expansion --		

In a memo from R. M. McCutchan to H. C. Carder (6/1/67) it was stated that a still preheater, increased chlorine feed rate, and a FeCl_3 filtering system were needed to get an increase of 5-7 M #/yr. The selection of a filter is in progress and confirmation of need will be made by 10/1/67. This decision depends upon further PR&D and TSD work in determining the optimum chlorinator catalyst level. At the present catalyst level the increased capacity of 1.85 M lbs./yr. can be attained without the filter.

Increased chlorine feed rate will be possible when projects 3824 (EDC 10/15/67) and 4864 (EDC 11/1/67) are completed. As a result, capacity will be further increased by 1.45 M lbs./yr. to a total of 33.3 M lbs./yr.

SAVINGS AND/OR BENEFITS

Aroclor is sold at \$0.075/lb. above manufacturing and SARE cost. New earnings will be:

$$1.85 \text{ M lbs.} \times \$0.075/\text{lb.} = \$135,000/\text{yr. (B.T.)}$$

SAFETY

No safety hazards will be created as a result of this project.

STREAM AND AIR POLLUTION

None

DSW 256214

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STATUS OF PROJECT

Design package will be submitted to P&S within one month after approval.
Installation should be about two months after transmittal.

ALTERNATE COURSE

There is no other economical course of action to increase the capacity of the present aroclor department.

RECOMMENDATION

Approval of this project is recommended.

Prepared by: R. M. McCutchan

ghw

P. E. Heisler

PH

cc: Messrs. J. A. Morgan
G. L. Bratsch
W. J. Wilson
A. M. McGrath
J. W. Molloy
R. McCutchan
John McCarthy
H. F. Ray

DSW 256215