CENTRAL ENGINEERING DEPARTMENT

PROGRESS REPORT

CEA NO.	AR NO.	DATE
568-Rev.1	MMK-72	August 19,1968

PRODUCT: Aroclors

TITLE: Biphenyl and Aroclor - Japan

DIVISION	PLANT
Organic/Int'l	Yokkaichi

DISTRIBUTION

CED SECTION MANAGER R. M. Kountz

CED PROJECT MANAGER A. J. Heinze

DIVISION REPRESENTATIVE B. O. Severson

O. R. Bailey
J. M. Depp
M. Dmytryszyn
R. E. Emling
F. W. Enoch
J. R. Fair
F. J. Holzapfel
R. W. Kaltenrieder (2)
F. P. LaBelle
R. E. Lenz
J. Maguire
Russell L. Miller
C. L. Parish
A. B. Terry

Organic Division
H. E. Bergen
D. Danna
W. A. Kuhn
D. A. Olson
W. R. Richard

R. W. Carmichael
R. E. Howard
R. S. Yates

SCOPE

This project provides for the preparation of a process design package for a plant to produce 5.5M pounds/year of biphenyl and 10M pounds/year of liquid Aroclors at the Yokkaichi, Japan plant of Monsanto Mitsubishi Kasei (MMK). MMK will handle the detailed mechanical design of the new facility based on this process design package.

DSW 200605

CONFIDENTIAL INFORMATION

THIS DOCUMENT IS THE PROPERTY OF MONSANTO COMPANY AND THE RECIPIENT IS RESPONSIBLE FOR ITS SAFEKEEPING AND DISPOSITION. IT CONTAINS CONFIDENTIAL INFORMATION WHICH MUST NOT BE REPRODUCED, REVEALED TO UNAUTHORIZED PERSONS OR SENT OUTSIDE THE COMPANY WITHOUT PROPER AUTHORIZATION.

STLCOPCB4058669

Product Aroclors Location Yokkaichi, Japan

Title Biphenyl and Aroclors - Japan

Data Tabulated As Of August 1, 1968 CEA No. 1668 Rev. 1 AR No. MMK-72

Appropriation	M $	1470*		
Current Estimate	M $	1730 (U.S.Basis)		
Date of Estimate		December 1, 1967		
Expended & Committed	M $	0		
Spent This Month	M $	0		
Scheduled Completion		Not applicable		
On Schedule?		Not applicable		

	Last Month	This Mo.
Process Design, % Complete	100	99
Mechanical Design, % Complete	0	0
Construction, % Complete	0	0
% Expended & Committed	0	0
Design Manpower	0	1/2
Construction Manpower	0	0

*Reflects lower Japanese vs. U. S. design and construction costs.

A request was made to revise the scope to provide maximum output from the pyrolysis furnace. A new analysis was made indicating the unit is capable of producing 10.0M pounds/year of biphenyl. A new material balance was made and changes were made to twenty-three process data sheets. A larger hydrogen compressor, benzene aftercoolers, benzene column, condenser, heater and reboiler pump along with a larger tempered water cooler will be required to attain this higher production. Modified performance data sheets have been forwarded to Japan. The balance of work involves only the design of a coke trap and review of the Japanese design.

R. S. Yates/rmk

R. S. Yates

at/

DSW 200606

STLCOPCB4058670