August 27, 1968

Start-Up Objectives

For

Aroclor Expansion - WGK (CEA-1800)

W. G. Krummrich Plant
Sauget, Illinois

Confidential

H. F. Hay
Mfg. Representative

Distribution:

R. S. Yates
W. A. Kuhn
D. B. Hosmer
R. M. Kountz
J. W. Molloy
~~W.~~ Brawley
D. C. Armstrong
C. W. Hamlet
T. E. Greenman
J. R. McClain
R. E. Howard
R. J. Stratmeyer
H. S. Bergen

0441032

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Aroclor Expansion - WGK (CEA-1800)

Start-Up Objectives

A. Overall

Primary:

1. Demonstrate safe operation of the expanded Aroclor process within the control limits prescribed by PR&D in Tentative Process No. P1504.

Secondary:

1. Produce Aroclors which meet the specifications outlined in the Tentative Process.

2. Demonstrate the ability of the facilities to produce at designed capacity, specifically:

Aroclor 1242	40 M#/Yr.
All Other Aroclors	30 M#/Yr.
Total -	70 M#/Yr.

3. Demonstrate the ability of the facilities to realize cost standard biphenyl yield or better on total Aroclor production, specifically:

Raw Material	% Theory Yield
Biphenyl	97%

4. Demonstrate the ability of the facilities to meet standard manufacturing cost.

5. Achieve the above objectives within a 45-day start-up and demonstration period and within budgeted start-up expense.

B. Technological Objectives

1. Demonstrate the optimum continuous porocel absorption column operating conditions in terms of capacity, quality, porocel usage and product loss.

2. Demonstrate the ability of the ferric chloride catalyst addition system to insure proper catalyst level in the continuous chlorinator line.

3. Demonstrate the ability of the "dynatrol" to control the Aroclor 1142 specific gravity within specification limits.

4. Demonstrate the ability to continuously monitor the power factor of the finished product with the in-line analyzer developed at Anniston.

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B. Technological Objectives (continued)

5. Demonstrate the effect of maintaining finished product electrical properties (Power Factor and Resistivity) during extended storage periods through use of nitrogen blanketing.

6. Evaluate the effect of aging Aroclor 1142 on Aroclor 1242 stability.

7. Demonstrate operating conditions which will allow duplication of Anniston production.

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