COMPANY
CONFIDENTIAL

Distribution

H. L. Hubbard - S. 2nd St.
R. H. Munch - S. 2nd St.
M. A. Terpstra - S. 2nd St.
M. E. Gibbs - S. 2nd St.
W. D. Robinson - S. 2nd St.
R. E. Keller - S. 2nd St.
J. D. Sullivan - S. 2nd St.
H. Williams - Anniston
L. C. Fuhrmeister - Anniston
L. L. Faulkner - Anniston
P. G. Benignus - G.O.
E. L. Boehm - G.O.
R. F. Neunaebel - G.O.
J. C. Weber - G.O.
H. C. Carder - G.O.
W. R. Richard - G.O.
E. L. Moore - G.O.
J. A. Stephens - G.O.
W. J. Wilson
T. W. Dalton
E. D. Malone
O. D Dressel
P. E. Heisler
J. M. Connaughton
B. J. Bailey
D. Harris
H. F. Ray
P. A. Erzer
J. A. Heilala
G. C. Vincent
W. J. Gresham
H. J. Horner
B. W. Corlew
J. W Molloy
D. W. Jackson
R. W. Flint
G. J. Geers
F. B. Matthews
H. F. Kellerman
C. F. Moore
J. Soffranko
J. H. Coleman
[redacted] Cresce - G.O.
C. A. Pratte - G.O.

DSW 200721

STLCOPCB4058785

MONSANTO COMPANY
Sauget, Illinois

August 3, 1967

ESTERHAZY KCl QUALITY - SPECIFICATION CHANGE -
STATUS REPORT AS OF 8/1/67

SUMMARY: The Aroclor 1242 representing a high temperature and high catalyst base line was shipped to Electric Utilities for capacitor life testing on 8/1/67. The run will be repeated with bromine being metered into the chlorine, representing the maximum bromine concentration expected after the specification change. Target shipping date 8/15/67.

A material balance on the DeNora cells has been attempted. Closure was far from complete. A problem has been found with the newly developed measurement for bromine in chlorine.

Charges for the whole testing program have been revised. The large shift upward is due to the product being given to Electric Utilities in exchange for capacitor life testing. This schedule is attached.

DETAILS:

Increased bromine in chlorine has an undesirable effect on Aroclor quality. Laboratory studies have found conditions which correct the effect. The shipment of Aroclor 1242 representing the baseline test batch left the plant 8/1/67. It was shipped to Electric Utilities for processing into capacitors. They will perform life tests on the capacitors and furnish us with an evaluation in return for the product. A test batch is a 30,000 to 40,000# trailer load.

Bromine will be metered into a production run of non-electrical Aroclor. It will be segregated in the same manner as the base line run and a trailer load will be shipped for comparative evaluation. The target date for this shipment is 8/15/67. Electric Utilities takes one trailer load every two weeks.

These shipments are one month behind schedule. We missed having the test material ready for shipment by about a day and a half. Electric Utilities refused special product on the mid-month shipment due to vacations. Results on both test batches should be available between 11/15 - 12/1/67.

Supplementary data is being generated in the form of a DeNora cell material balance based on bromine. The weak link at the present time is the measurement of bromine in chlorine. This newly developed analytical procedure is receiving additional improvement. The trouble may be only an instrument problem. The first material balance did not come close to closure.

DSW 200722

STLCOPCB4058786

Charges for the tests and development work which are anticipated to be against inorganic division are attached. My thanks to Cole Weber for assistance in estimating these charges.

Inorganic cost for approval of high bromide KCl as of 7/26/67.

At WGK

	To Date	Projected
PR&D work	$ 1,440	$ 1,700
TSD work	475	900
Equipment changes, installation and removal	None	200
Production - Two experimental loads of Aroclor + special analyses by PR&D	None	5,640-7,250*Aroclor 200 Analyses
Organic Research analytical methods development	None	1,200+
Total for program at WGK		$ 9,840 - $ 11,720

*Billed at cost value of $0.089/# + $0.05 freight. The initial charge will be to 2-03-811.00-635, Aroclor experimental. It will be transferred at divisional level to inorganic division. A test batch weighs between 30,000 and 40,000#.

If the program is extended to the Anniston plant the following additional charges will be necessary.

WGK PR&D experimental	$ 200
TSD labor (Anniston)	900
Equipment, installations, and removal	750
Production - two loads	5,640 - 7,250
Same terms as above	
Special Analyses	200
Additional Supervision	300
	$ 7,990 - 9,600

Aroclor customers need to be advised when the change will be made and must approve. Some additional cost may be incurred here.

DSW 200723

jal

D. C. Armstrong

STLCOPCB4058787