

PROGRESS REPORT

ORGANIC CHEMICALS DIVISION

St. Louis Research Department

Job No. 117-2680

Report No. (5)

Reported By: A. M. Ellenburg

Date September 30, 1954

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<u>At St. Louis</u>	<u>At St. Louis</u>	<u>At W.G.K. Plant</u>	
1 Library	13 R.O. Nellums	25-29-	35-G. R. Buchanan-KXOK-2
1a Library	14 O.J. Weinkauff	30 Development	36-P. G. Benignus-KXOK-3
2 D.M. Campbell	15 J.R. Wilson	<u>At J.F.Q. Plant</u>	37-
3 H.W. Faust	16 F.B. Zienty		38-
4 L.L. Fellinger	17 O. DeGarmo	31-	39- 246.60/1
5 H.R. Gamrath	18 J.F.Q. Development		40-
6 H.M. Hitchens	19 J.R. Durland	<u>At Nitro</u>	41-
7 C.A. Hochwalt	20 R. M. Morris	32-W.P. Metzner	42-
8 H.E. Howard	21 J. H. Lum		43-
9 D. S. Weddell	22 P.G. Marsh	<u>At Dayton</u>	44-
10 H.H. Munch	23 J. L. Hammer	33 L. Lederman	45-
11 F.M. Murdock	24 B.E. Thomas	34 N.N.T. Samaras	46-
12 H.K. Nason			47-
			48-
			49-

Title: ASSISTANCE TO AROCLOR OPERATING DEPARTMENTS

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Problem: To study the cause of flash points in some lots of Aroclor 1254 at Anniston.

Summary:

The finding of flash points in two lots of Aroclor 1254 has made it necessary to look at the Anniston process for a new variable. All data during the past 20 years have indicated no flash points as determined by the ASTM Cleveland Open Cup Method.

Flash point tests are being made on each lot of Aroclor 1254 at present to obtain some history on these determinations.

Details:

Aroclor 1254, lot 105, had a flash point of 380°F. and was found to be contaminated with biphenyl. Later, lot 104, was also shown to have a flash point of 440°F. Neither lot had a fire point below its boiling temperature.

In view of these new developments, flash points are being determined on each lot of Aroclor 1254. If other lots are found to have flash

points, then process variables will be investigated.

The suggestion was made to the operating department that the method of adding trappings to the chlorinators be standardized.

A. M. Ellenburg
A. M. Ellenburg

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