Monsanto

FROM (NAME & LOCATION) R. M. McCutchan - WGK

DATE : June 18, 1971

SUBJECT : Aroclor - WGK
Quality Control & Process Control

REFERENCE : Report No. 2

cc: W. Engman/W. Krull
R. H. Munch - S. 2nd St.
J. R. Savage - GO
E. E. Stewart

TO :

A. E. Leisy

Quality Control

There are two attachments to this memo. The first is the control charts with analyses plotted for lots of Aroclor 1242 produced since the initial quality control report dated 5/6/71. The second attachment is several "quality divergence reports" which interpret the control charts. This is an "in plant" tool issued about every two weeks.

Comments on Quality:

1. TCC's and Monsanto Stability are both better than the "means" of each which were based on 1/1/71 - 4/20/71 data. Monsanto Stability is back to pre-October 1970 "normal". TCC's are close to it.

2. Power factors and resistivities appear to be going in the wrong direction. The numbers tend to be erratic, so I cannot say there is a significant trend at this time.

Process Control

For the process variables for which control limits have been set, 761 data prints were logged in May. Of these, 14 points were outside the control limits.

Nine of the fourteen points were due to high temperatures in the continuous chlorinators. This was a result of two circumstances. First, temperatures have been running near the upper control limit. Either the set point does not correlate with the actual reading obtained at that set point, or else the sensing element is in error. This will be corrected. Second, during the last few days of May the continuous chlorinators were running at their maximum rate. Even though the TIC's were set as previously, actual temperatures increased and thus were outside the established limit.

R. M. McCutchan

ap

DSW 329233

IN-10 REV 11-65

STLCOPCB4075941

LEGEND:
AVERAGE
WARNING LIMIT
SPECIFICATION

PRODUCT: Aroclor 1242
CODE
DEPT
PERIOD / / TO / /

| DAY | 25 | 27 | 1 | 1 | 2 | 5 | | 13 | 19 | 22 | 24 | 29 | 30 | 27 | 01 | 03 | 06 | 10 | | |

MONSANTO CHEMICAL COMPANY - CONTROL CHART

PLANT | SHEET 2 OF 3

LEGEND: AVERAGE | WARNING LIMIT | SPECIFICATION

PRODUCT: Aroclor 1242

DOE | DEPT.

PERIOD ___ TO ___

| DAY | 25 | 27 | 01 | 01 | 02 | 05 | | 13 | 17 | 22 | 24 | 29 | 30 | 27 | 01 | 03 | 06 | 10 | | |

LEGEND:
AVERAGE
WARNING LIMIT
SPECIFICATION

PRODUCT: Aroclor 1242
CODE
DEPT.
PERIOD / / TO / /

| | | |

Aroclor 1242

Q.C. Charts 5/30 - 6/14/71

All stability tests continue to run on low-side of mean.

Power Factor (60cy.) - shows a general upward trend

JAG

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STLCOPCB4075945