Monsanto

FROM (NAME & LOCATION) R. S. Yates - General Offices

March 14, 1969

SUBJECT Review of Engineering Flow Diagrams - Meeting Held at CED on March 10, 1969

REFERENCE CEA 2080 - Increase Solid Aroclor Capacity

TO : Mike Kaye
W. E. Voss
R. S. Yates

cc: R. O. Brown
R. Haupt
R. C. Herman
K. Johnston
R. M. Kountz
H. L. Williams

A review of five engineering flow diagrams was made with special emphasis on instrumentation required for the above project. A summary follows:

1) Capillary tubing will be used for temperature control instruments. The capillary will consist of a S.S. capillary with S.S. armor and a 3/8" thick coating of vinyl over the S.S. armor.

2) On the Terph Tank Scale, a low level switch should be installed to shut the Santowax transfer pump down when the tank is empty.

? OK

3) A license is required for the two still nuclear instruments. Mr. Voss will begin action to get suitable Alabama license.

4) A bell will be used for chlorinator alarms. A horn will be used for other alarms.

5) The standard absolute mercury monometer scales used on the still system will be obtained by Mr. Voss.

6) The level alarms on the still, the nuclear high and low level units, will have a separate alarm system at the panel board.

7) Since we want the maximum amount of vacuum at the still pot, the vacuum control feature will be removed--the vacuum recorder will remain.

8) The still receiver will have a DP cell for level rather than float or bubbler. A boss is required on this tank, Item 1-132.

9) Mr. Voss requested that he give consideration to the use of electronic instruments rather than pneumatic instruments. Mr. Yates will review this with Mr. Brown. To make this change at this time would require an optional Variance approved by Mr. Kuhn.

10) We reviewed the temperature points required for proper operating control. We will install a Multipoint Indicator with the following points:

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Therminol System	-	Into Heater
" "	-	Out "
" "	-	From New Area
" "	-	From Existing Area
" "	-	In Surge Tank
Chlor. Circ. Line	-	Item 105
" " "	-	" 118
Out of Chlor. Cooler	-	" 106
" " " "	-	" 119
Into Ther. Cooler	-	" 116
" " "	-	" 123
Out of Ther. Cooler	-	" 116
" " " "	-	" 123
Terph Tank	-	" 101
Off-Gas Tank	-	" 109
Blowing Tank	-	" 125
Catch Tank	-	" 135
Into Cyclone	-	
Out of Cyclone	-	
TW Into Condensers		
Out of Vapor Cond.	-	" 131
Into Ther. Cooler	-	" 141
TW Out of the Cooler	-	" 141

11) We will install two Multipoint Recorders with the following points. Mr. Voss will check whether two are required for proper operations.

#1 Unit	#2 Unit
Chlorinator Item 104	Still Pot #5
" " 117	Into Still Htr.
Vapor Out of Item 108	Out of Still Htr.
Discharge Line, Item 115	Still Recvr. #5
" " " 122	Circ. Therm. From Item 140
" " " 112	to & from?
Gas to Item 108	
Ther. From Item 113	

R. S. Yates

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