Monsanto

FROM ANNISTON, ALABAMA

DATE August 30, 1968

SUBJECT CEA 1430 - EXPAND AROCLORS DESIGN PREMISE COMMENTS

REFERENCE

cc: V. T. Langdon
H. L. Williams
R. A. Haydel
L. L. Faulkner
J. C. Landwehr
R. M. Kountz - G. O.
R. S. Yates - G. O.
V. R. Haupt

TO R. W. Peterson

General Offices

The following comments are numbered to correspond with the premise numbers listed in your three premises.

1. OK

2. OK

3. Need to evaluate the possibility of pumping from the tank car through the column as the car is unloaded. Unloading time should be around 12 hours.

4. OK

5. OK

6. Revised in Premise #2

7. Evaluate the possibility of a higher flow basis since future increases in production could push the production rate past 7 gpm.

8. Revised in Premise #2

9. OK

10. Should evaluate the possibility of an instrument for each column, simpler to operate, less maintenance, fewer problems concerning sample disposal and distance of instrument from each column.

11. An instrument for each column would allow the sample to be put back into the column.

12. OK except either take sample after filter or install sample filter to avoid sampling problems.

13. Cuno filter workmanship is poor. Need to evaluate usefulness of Cuno filters in Tank Farm before installing others.

14. OK except for change noted in Premise #2.

15. OK

16. OK

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TOWOLDMON0044175

17. a. Blend tank coils

2" Sch. 40 Aluminum ASTM B241 Alloy 3003-H112 seamless pipe.

3 - 5'9" diameter coils

b. 1221 65-75°C.

1242 75-85°C.

1248 85-95°C.

1254 95-105°C.

1260 105-115°C.

1262 115-125°C.

c. A batch containing 13,000 lbs. or approximately 1,300 gallons is pumped from the vacuum receiver to the blend tank every 4 to 5 hours.

d. Average 500 gpm)
Maximum 700 gpm)

e. In 105 (design) 75 (actual)
Out 88 67

f. GPM 2500 approach 10°F.

Wet bulb temp. 78°F. allowable rise 17°F.

Evaporation loss 1.5%

18. Premise #3

19. Premise #3

20. OK

21. Need a filter to keep the tank clean.

22. OK

23. No. - Recent developments indicate inadequate flow for further expansion. A study of the system is in progress and I will advise you of the results.

24. OK

25. Correct

26. OK

27. 6 GPM not enough flow to handle any major increase in production rate.

Comments on D-30 and D-32 - What does T symbol represent?

Are the Product Selector connections located at Junction City?

TOWOLDMON0044176

Please contact me if any questions should arise.

Edward E. Bowles

E. E. Bowles
TSD

EEB:kd

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