Monsanto

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

DATE April 3, 1969

SUBJECT Review Meeting Held with Plant Personnel at Anniston on March 26, 1969

REFERENCE CEA 2080 - Increase Solid Aroclor Capacity

TO :
[redacted]
V. R. Haupt
R. A. Heydel
E. C. McCarthy
C. R. McIlwaine
E. E. Smith
W. E. Voss
R. S. Yates

CC:
R. Q. Brown
C. K. Eastman/J. W. Kennedy
H. P. Fielding
B. B. Hedleston
R. C. Herman
Mike Kaye
R. M. Kountz
H. L. Williams

Instrumentation

1) Discussion centered on use of electronic vs. pneumatic instruments. Plant desired electronic because:

   a) Aid in process control

   b) Allow use of data logging at some later date - better process control

   c) Small installation for trial area

   d) Would cover 65% of the 5460 System

   Yates discussed the use of electronics with Messrs. Brown and Kountz, and Mr. Brown is reviewing this and making recommendations. If we want electronics, this could be a scope change and will result in adding at this time at least one month to our instrument schedule. Mr. Brown's recommendation is that we stay with pneumatics for this job (letter of 4-2-69).

2) Desire Accuray rather than Ohmart Nuclear instruments. Mr. Kaye is getting quotation from both suppliers.

3) Nuclear licensing is being handled by Gerald Miller of the Anniston Plant. CED will send him the following information as soon as it is available:

   Manufacturer
   Source
   Type
   Emission rate in millicuries/hour

4) Mr. Smith obtained manometer sizes carried in the storeroom, and these were given to Mr. Kaye.

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5) After discussing the use of multipoint recorders and the points needing continuous monitoring in the system, it was decided that one 12 point Multipoint Recorder only would be purchased for this project.

6) A chlorine totalizer will be added to the chlorine input system on each of the two chlorinators.

7) A control feature will be added to the density instrument at the chlorinators.

Still System

1) Mr. Smith requested that CED review methods for removing the still heater coils from both #5 and #6 still. Mr. Smith estimates about $2,000 vs. present $750 would be required to replace the coil in #5 with added downtime required. The rig to remove the coil would have to come from Birmingham. Mr. Hedleston will investigate what is required in this regard.

2) Mr. Haupt is investigating the use of a Sandvik unit for handling the Montar. He calculates about 200 feet are required for 7,000# of Montar. Thirty pounds of Montar 5 was sent to Fairlawn, New Jersey, on March 28 for testing by Sandvik. Because of the high temperatures, we don't feel a test unit is warranted for a plant trial at the present time.

3) Mr. Yates contacted CB&I on April 2 and requested a quote on a prilling tower that would handle 7,000#/hr of Montar 5.

4) After discussing the problems associated with the jacketed system into and out of the heater, it was decided to use non-jacketed pipe; however, it will be sloped to the still.

5) After discussing the merits of dip pipes in the new still, it was decided to remove the dip pipes from the still. Expansion of liquid through dip pipes into still contents might result in higher entrainment of color bodies. Discharge from the still should be opposite the cyclone.

Therminol System

1) Three pumps will be purchased for circulating Therminol to the 6M Btu heater, circulating Therminol to existing system and circulating Therminol to the new system. CED will get the bids on these pumps. The pump for the existing system will be added to a plant project and purchased by the plant. We will need a plant order to purchase.

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2) Because of problems associated with leaks into the Therminol system, it was suggested that the Therminol in the main surge tank be tested at monthly intervals. Tests should include acidity, viscosity, gravity, and pour point.

3) Provision will be made in the design for a spare circulation pump.

Control Room

1) Mr. Yates reviewed the Control Room additions with Mr. Kennedy. The results of this review are that the plant will dismantle the #1 Still Heater, platform, lights, and a sprinkler line and will move out of the area shop now in the area of the additions by May 5. This should not affect project completion. Shop personnel cannot move out except on an emergency basis until additions to the South Shop are complete.

2) Mr. Yates will get some color splotches of the floor covering and forward it to Mr. Voss. Green is the desired color.

Tie-Ins

Mr. Voss wants a list of tie-ins by number. These numbers should be listed and cross-referenced to the drawings.

HCl Absorber

Mr. Yates reviewed the changes proposed at the HCl Plant as detailed on Engineering Flow Diagram 2080-D3. We are not adding any additional capacity to the present absorber at this time, but are adding a control system to "level" the gas flow to the absorbers. At some future date, we will have to add to this system in order to absorb all of the HCl gas as produced. A survey of the absorber system indicated that the automatic control system regulating water to the system was not operating. Mr. Smith is going to see what can be done to rehabilitate this system. Mr. Mraz of Union Carbide will assist in upgrading this system if required.

Elevator

Mr. Yates reviewed the three locations as proposed for the elevator. It was the concensus of the group that the case in which we enter the elevator from the west side of a walk extension at the east of Building 27 and exit at the 16 foot level directly onto our new manufacturing structure is the best case.

CED will proceed on this basis. This means we will not have to relocate the stairway to the soaking tank.

R. S. Yates

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