Monsanto

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

DATE January 29, 1968

SUBJECT Minutes of Project Meeting No. 7
Held January 23, 1968

REFERENCE CEA 1800 - Aroclor Expansion - WGK

TO :

Messrs. Present

D. C. Atkins
W. J. Burkett
R. D. Casey
R. Cederstrom
J. G. Clifton
H. D. Downer
B. E. Drane
J. A. Fontaine
R. C. Herman (3)
B. W. Steketee
R. P. Stevens
L. A. Vehige
R. S. Yates

cc: R. Q. Brown
A. B. Dygert
T. A. Jackson (2)
O. A. Klingler
H. [redacted] Ray
E. H. Richter
J. M. Trigg
R. B. West

Review of Project Progress

1. Schedules, Control and Procurement

A. Area I - Tank Farm

a. Construction schedule has been developed by Messrs. Cederstrom and Steketee.

Expected publishing date 2/5/68

b. Mr. Cederstrom inquired about insulation for the tanks. Insulation can be changed from existing callouts on the present engineering flow diagrams. Insulation has a low design priority and will be reviewed in detail by Messrs. Yates and Herman.

Expected completion 2/26/68

c. Piping drawings are expected to be issued to the field February 5 which is the required date as shown in the M.P.S.

d. Construction would like steel deliveries by March 1. Schedule now shows March 22 as delivery date. We could improve this schedule by paying a premium for overtime, however, it is not warranted in this project at this time.

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e. A piping takeoff will be made by the piping group and Mr. Herman will see that piping is placed on order.

Expected order 1/29/68

f. The Motor Control Center becomes a critical item since it will serve for both tank farm and manufacturing areas. The unit should be delivered to the field no later than May 15.

g. Messrs. Drane, Yates and Johnson have reviewed the motor requirements for the M.C.C. and the unit is ready for order.

Expected order 1/29/68

h. The breaker for the substation which is being modified to provide power for the new area is a critical item. It was placed on order with ITE on 1/22/68 for delivery 2/22/68. Purchasing should follow this closely.

The breaker and feeder are required at this time in order to supply power for the Nooter Company who has the contract for the 100,000 gallon field erected storage tank.

i. A preliminary drawing of the feeder has been sent to the field for review.

j. Feeder cable has been ordered and is on hand.

k. Pile driving has been started for both areas and will be complete on January 26. On January 26, while in Area II, a major underground obstruction was encountered in one of the four cluster areas. Mr. Atkins will have to review the design and provide as an alternate a spread footing for this area. Slight modifications in foundation design will have to be made in two of the other areas where piles were driven in locations other than originally designated.

B. Area II - Manufacturing Area

a. Mr. Clifton again pointed out the necessity of getting grating to the job site shortly after steel delivery. Drafting is going to send out grating drawings along with steel for bid. Difficulty occurs because openings have not been

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finalized for piping. Mr. Fontaine is going to spot openings as close to final locations as judgement allows and these will have to be continually upgraded as piping advances.

b. Construction would like the drawing of the 8" gas transfer line. Drafting has started on this line which will be handled by Photo Drafting Techniques. Mr. Herman will order this pipe, and it will include shop blasting and painting before delivery.

Expected order 1/29/68

c. Mr. Downer requested further information on equipment so that the finished model could be completed. Mr. Herman will furnish this information.

d. The existing power line through the manufacturing area has to be relocated. It will be raised and supported from the new structure. Messrs. Drane and Dygert will determine how this is to be done and give details of supports required to Mr. Atkins.

Expected completion 1/29/68

e. Construction would like to bid both Area I and II insulation at the same time. This means Area II piping drafting will have to be complete by April 15 which does not appear feasible at the present time. Messrs. Yates, Herman and Burkett will review this again.

Expected completion 2/26/68

2. Drafting

A. Area I - Tank Farm

a. Drawing status completion as of 1/23/68 as reported by Mr. Fontaine:

Layout	80%
Piping plans	45%
Piping isos	95%
Structural steel	63%
Structural concrete	60%

b. Piping takeoffs will be completed by 1/26/68.

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B. Area II - Manufacturing Area

a. Drawing status completion as of 1/23/68:

Layout	34%
Piping plans	0%
Piping isos	0%
Structural steel	45%
Structural concrete	36%
Civil	58%

3. AC&M Design

a. Utility design has been started. Therminol system went out for quotes on January 23. Engineering flow diagram and steam piping sizing study has been started. This is an important segment of the design and should be followed closely. Messrs. Hinton, Herman and Yates reviewed the work organization for this area in detail on January 19.

b. Requisitioning of equipment is on schedule.

c. Vendor drawing procurement.

We have run into trouble getting vendor drawings. We requested, as an example, drawings from Duriron by 12/29/67 and they had not been received by 1/23/68. Messrs. Blankenship and Herman by following this have these final drawings now in hand (1/25/68).

Mr. Casey states he would also look into this matter.

As it now stands, only the Project Manager and Design Engineer get a copy of the letter which goes to the Vendors, dunning for Vendor Data. Messrs. Yates and Herman have discussed this problem and Mr. Herman is going to try to have his engineers be more realistic in recording the date required for final drawings. We believe all final vendor drawings should be at hand at least two weeks before drawings are issued to the field. As it stands now we do not believe we have arrived at the best follow-up methods to get these drawings from the vendors. We should review this with Messrs. Persons and Adams.

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Drawings should not be issued to the field for construction until vendor final drawings are in the hands of the drafting people before the final drafting check is started.

4. EI&U Design

a. Most items in this area have been covered elsewhere in these minutes.

b. Messrs. Drane, Herman and Dygert will review the preliminary model and install conduit runs.

Expected completion 1/26/68

c. Revised Electrical Design basis is ready for publication.

Expected issuance 1/29/68

5. PD&PM Design

a. By January 26 PD sheets will have been issued for all items except 12 pumps, 2 filters, and the blow tank. These will be complete by 2/2/68.

b. Engineering Flow Diagrams for the manufacturing area have been issued to all interested parties.

6. Miscellaneous

a. Location for the instrument air takeoff has been spotted by Messrs. Trigg and Yates. This was pointed out to Mr. Cederstrom in the field 1/24/68.

b. Floor for the manufacturing area is slated for construction on March 4, 1968. This date, which is not critical, will depend on finalizing the blow tank which will be after March 1, 1968.

c. Mr. Clifton needs five copies of the engineering flow diagrams. Mr. Yates will handle this.

Time of Meeting: 1 hour, 20 minutes.

R S Yates
R. S. Yates

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