Monsanto

FROM: NAME & LOCATION: R. M. Kountz (4-8151) - General Offices (266)

DATE: June 4, 1970

SUBJECT: Minutes of Meeting on Aroclor Replacement Program

REFERENCE:

cc: H. S. Bergen
R. E. Howard
M. P. Lux
R. L. Neary
O. S. Ratterman
R. L. Wiese

TO : Attendees:

J. O. Bright
N. T. Johnson
R. M. Kountz
E. D. Malone (part-time)
D. A. Olson
D. B. Redington (part-time)
W. R. Richard
J. R. Savage

A meeting was held May 27, 1970, to review the Aroclor replacement program, review process status of replacement products, establish quantities of new products needed, assign responsibilities, and establish rough time schedules.

Cumyl-nonyl phenyl diphenyl phosphate

Conclusions were:

1. Production needs are 13.8M lb/yr if Aroclor 1242B is not acceptable and use only excess capacity of E-E Building if 1242B is acceptable. (A decision was made on May 28 that 1242B will be used in Pydrauls as needed.)

   Maximum production capacity in E-E Building was estimated at 700M to 1M lb/mo rate. We could probably get 7 months operation in'71. This rate must be verified.

2. Interim production of 200M lb is needed in 1970 to:

   a) Demonstrate process, and
   b) Develop markets.

3. Full-scale operation needed as soon as possible, with target of April 1971.

Action plan:

1. Research resolve process problems in 6-8 weeks.

2. Research rework 1M lb of material from previous trial, work to be complete in 2 weeks.

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3. TSD with Research would define and install necessary facilities for interim operation. Work to be complete by October 1, 1970.

4. Engineering define needs for full-scale operation and have facilities installed by April 1971 with tributyl phosphate.

Cumyl phenol

Conclusions were:

1. There would be a need of 80-100M lb in 1970.

2. Production rates for the future were estimated at:
   1971 - 2.5M lb/yr
   Long range - 6M lb/yr

Action plan:

1. Jim Savage would make arrangements by July for 1970 production.

2. Elmer Malone will see if interim cumyl phenol distillation can be done in the W-W Building. If acceptable, Research will automate facilities.

3. Engineering with Research will evaluate by August 1, 1970, alternates for full-scale production. Target for full-scale facilities is April 1971.

Aroclor 1242B

Conclusions were:

1. Full-scale facilities to produce 50M lb/yr are needed now.

2. There is no need for interim operation.

3. Aroclor 1242B would be provided for all capacitors, Therminol and Pydraul blends if acceptable. (A decision has been made that it is to be used.)

4. By the CMC plan, the Industrial Fluids group needs 10.4M lb of 1242B by year's end.

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Action plan:

Engineering evaluate, establish, and provide project needs as quickly as reasonably possible.

Research expressed a strong preference to have facilities compatible with production of Aroclor 1230. Since the two operations have virtually no similarity, the probability of being compatible is remote.

R. M. Kountz

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