COMPANY CONFIDENTIAL

Monsanto

Anniston Plant

TECHNICAL SERVICES DEPARTMENT

MONTHLY REPORT

Anniston

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General Offices

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C. F. Luecke
W. R. Richard
W. R. Robirds
C. W. Roos
J. R. Savage
J. E. Smith
J. A. Stephens

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P. O. DeGarmo

Other Locations

A. H. Forsten - Alvin, Texas

D. W. Jackson - W.G.K.

W. L. Smull - Texas City

Summary

APRIL 1971

Specialty Products

Test results show that Aroclor from Cumene injection Biphenyl produced in the Polyphenyl Pilot Unit is essentially equivalent in quality to lab synthesized Aroclor 1242 produced from acetone promoted Biphenyl.

The Polyphenyl Tubular Unit Cumene Injection Project package was transmitted to Maintenance 12 April 1971. Materials and equipment are on order and will be installed in May '71. The Tentative Process Amendment was issued for approval.

AFE 3718 to remelt and distill Santowax C stored in the pond was revised to $20M expense - zero capital and received verbal approval. The installation will be completed 3 May '71.

A progress report (No. 2 - 009-1104 April 27, 1971) was issued outlining the steps needed to produce low color A-5460. Revised design and costs should be completed in June '71.

Verbal approval was received to order major equipment on Project 3776, Standby Propane Fuel System. All major equipment items are on order with the exception of the air compressor.

Both the Santowax gear meter and the total hydrogen meter for HB-40 were removed from service because of malfunctions. Failure was traced to a ruptured diaphragm in the hydrogen meter due to "surging"; an orifice and a surge tank will be installed to correct the problem. Failure of the Santowax meter was due to scoring of the gear shafts by Raney nickel catalyst which was inadvertently blown back down the line. Both meters have been returned to vendors for repair and recalibration.

The North Plant group (W. E. Voss) assumed responsibility for manufacturing representation on the Santowax still expansion, CEA 2472.

DSW 551605

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A PR&D report detailing PCB removal by carbon adsorption was issued on 4-15-71. Studies on PCB removal by the addition of a powdered adsorbent followed by flocculation-clarification removal of solids are continuing. A revised work plan covering powdered carbon addition will be issued by 5-10-71.

Ag Division

Work was initiated on a scope and estimate for recycle of still residue to improve Parathion yield and residue handling.

PR&D studies on the recycle of filtered organic residue from 96% chlorinated Ethyl Intermediate into the next thio acid charge were initiated on 4-21-71. This work will complement studies completed earlier on Methyl Intermediate.

Maintenance began installation on the experimental cone tank project to improve Parathion recovery.

Samples of Muriatic Acid from the chlorinator drowning jets (during Ethyl run) were sent to Ag Research for analysis of impurities. Clean-up of the HCl to produce saleable Muriatic Acid will be investigated when impurities are known.

New chlorine control valves have been installed as part of Project 3713; Optimize Chlorine Input to the Niran Chlorinators. Controller settings necessary to optimize feed rates will be made by 5-7-71.

Quality Control

The plant quality score was 83.4, down 6.1 from March, with a YTD score of 88.7.

Pollution Control

April Aroclor losses were the lowest recorded since the Aroclor clean-up program began. The average daily loss was 0.65 #/day. The biological samples which were collected in March are approximately 50% complete.

J. C. Landwehr

/dp

PLANT LABORATORIES

ANALYTICAL AND QUALITY CONTROL - S. O. Kemp

Complaint Report

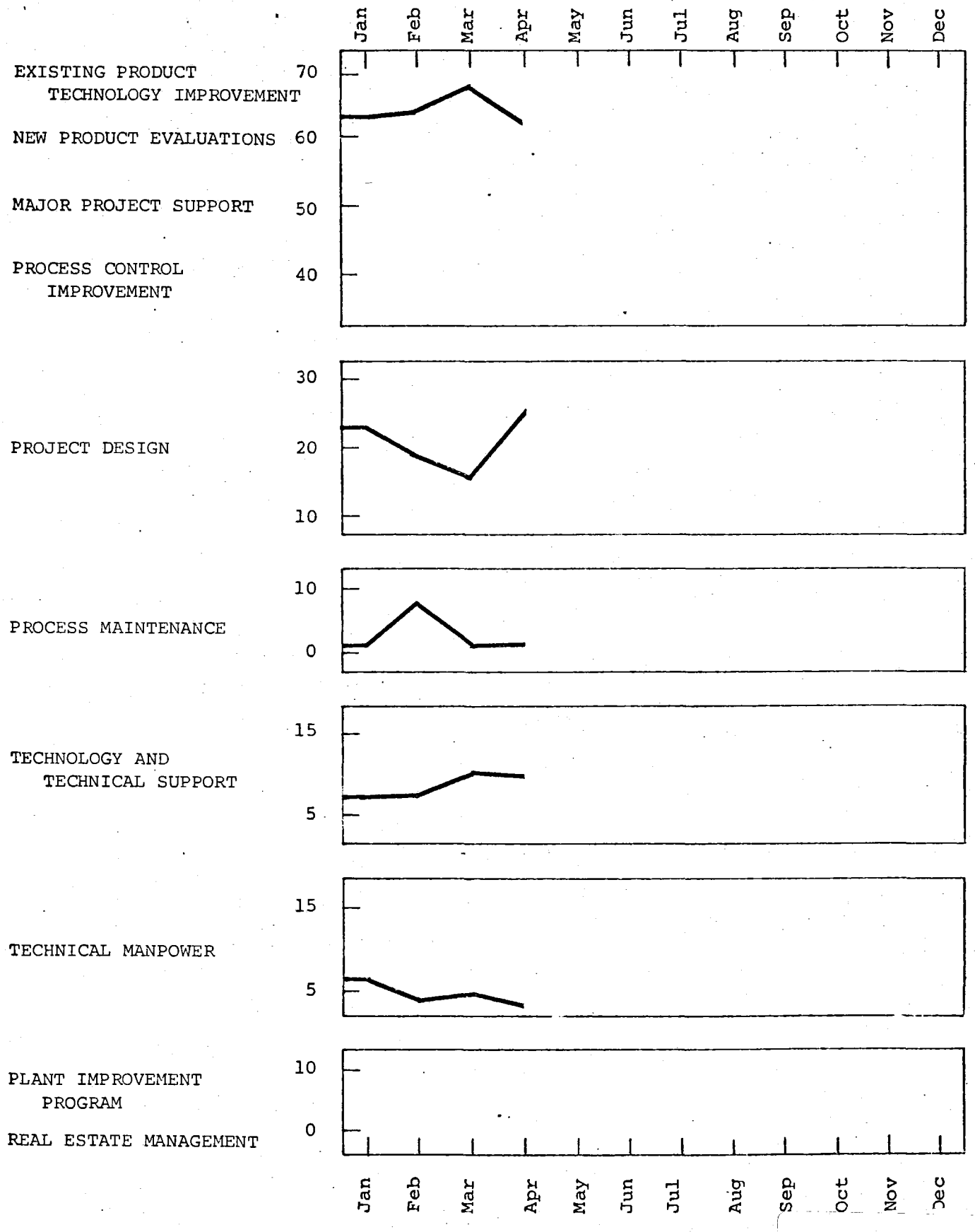
Quality

Number	Material	Customer	Reason
PL-10-P-71	A-5460	United Resin	Black specks

YTD Quality Complaints/100 Shipments 0.33

Target 0.20

1971 DISTRIBUTION OF TIME BY TECHNICAL SERVICE



DSW 551608

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COMMUNITY RELATIONS, PERSONNEL, RECRUITING AND DEVELOPMENT

Personnel Development

1. E. G. Wright attended E.P.A. hearings on Alabama Water Quality Criteria in Montgomery, April 6 and 7.

2. Don Dudley transferred from the Maintenance Department to the group, 4/30/71.

Please add my name to the distribution of your monthly report.

W. L. Smull

DSW 551610