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Monsanto

Anniston Plant

TECHNICAL SERVICES DEPARTMENT

MONTHLY REPORT

Anniston

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

South Second St.

P. O. DeGarmo

Other Locations

A. H. Forsten - Alvin, Texas

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

W. L. Smull - Texas City

Summary

MAY 1971

Specialty Products

The Tentative Process Amendment has been approved for Polyphenyl Tubular Unit Cumene Injection. Installation of the Cumene injection system on No. 1 Polyphenyl tube has been delayed beyond May due to feed pump delivery which has now been promised for early June.

A patent disclosure for the multi-point injection of Cumene as a means of increasing polyphenyl conversion has been prepared and submitted to the Patent Department.

1972 Polyphenyl projections appear to exceed maximum capacity even with the full benefit of Cumene injection on two units. Higher levels of quarterphenyls in HB products can help to relieve the problem.

The Santowax C melt tank project was installed and operated successfully to enable both HB-40 and Solid Aroclor to establish new production records.

Approval was received to include Santowax Q production equipment in the scope for the Santowax expansion (CEA 2472). The original scope and capital estimate are being revised by approximately $200M to reflect the additional equipment.

AFE 3780 ($21.7M NFC) to improve hydrogen utilization in HB-40 was verbally approved (AFE has been forwarded to St. Louis). Increased hydrogen purification recovery (65 to 68%) is included. Hydrogen meters to allow better control of the autoclave batch cycle have been ordered (16 week delivery).

A PR&D work plan outlining the details of the final studies planned on PCB removal by flocculation-clarification was issued on 5-11-71. The work is scheduled to be completed by 6-30-71.

DSW 014999

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Final approval was received for Standby Propane Fuel System. All long delivery items, including the air compressor, are now on order.

Ag Division

PR&D studies on the recycle of organic residue from 96% chlorinated Ethyl Intermediate into the next thio acid charge have been completed. Additional work on Methyl Intermediate has been initiated. These recycle studies are scheduled to be completed by 7-1-71.

Work has been completed on Project 3713, Optimize Chlorine Input to the Niran Chlorinators. Initial feed rate is being successfully controlled as necessary to achieve yield gains.

A summary of alternates and recommendations for a pilot unit on recycle and sulfur handling was 95% completed. This document will be submitted to Production for endorsement in early June.

An AFE was written and submitted for approval to winterize the Parathion equipment for year-around Methyl production.

A. G. McCarty participated in the Niran safety and manning shift coverage study.

Automatic steam control on #1 still was started up on Methyl Intermediate. The system performed as designed. Training in operation was given to all shifts. Steam flow and temperature profile adjustment was begun to compensate for starting variables found in routine operation, and to achieve expected yield improvement. The system is a significant aid to the operator, and TSD Job No. 105-1164 was taken out to adapt the system to all intermediate stills.

Quality Control

The plant quality score was 89.6, up 6.2 from April, with a YTD score of 89.0.

Pollution Control

For the second month Aroclor losses have been below the plant goal of 1#/day. Analysis of samples required for the Corps of Engineers permit was completed in May.

J. C. Landwehr

/dp

DSW 015000

PLANT LABORATORIES

ANALYTICAL AND QUALITY CONTROL - S. O. Kemp

Complaint Report

Quality

Material	Customer	Reason
Niran 50% EC	Duperial-Argentina	Emulsification

YTD Quality Complaints/100 Shipments 0.32

Target 0.20

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COMMUNITY RELATIONS, PERSONNEL, RECRUITING AND DEVELOPMENT

Personnel

1. E. G. Wright visited Westinghouse's plant in South Boston, Va. on May 5 and 6 for consultation on Waste Audit and Pollution Abatement.

2. G. W. Richey resigned to accept employment with Bechtel Corporation. His last day worked was May 14.

Visitors

1. W. R. Richard, D. R. Pogue and J. R. Savage visited the plant on May 13 and 14 to discuss Specialty Products business trends and to review plant programs.

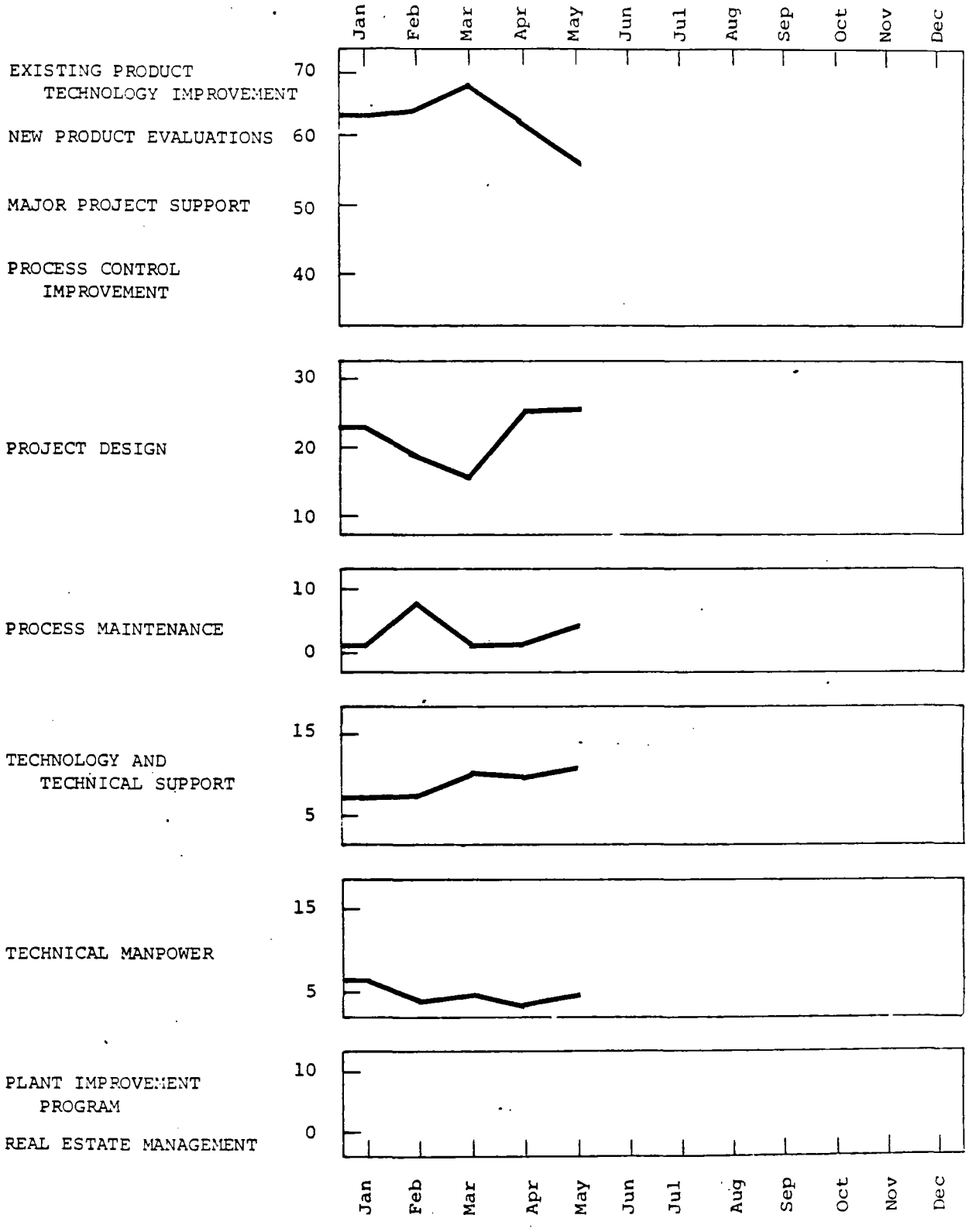
2. Howard R. Minckler visited the plant May 10 for the annual State of the Division meetings.

3. F. J. Holzapfel was given a review of current TSD and PR&D projects during his visit May 25 and 26.

4. H. S. Trail visited Production and TSD for discussions on the upcoming project for a pilot plant test of chlorinator recycle and sulfur clean-up.

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1971 DISTRIBUTION OF TIME BY TECHNICAL SERVICE



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