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Monsanto

Anniston Plant

TECHNICAL SERVICES DEPARTMENT

MONTHLY REPORT

Anniston

J. T. Bell*
J. L. Corder*
A. G. Hill
G. L. Jessee*
L. C. Lahman*
J. C. Landwehr*
H. E. Schulte
W. F. Taffee

*PR&D Mid-month Report Attached

General Offices

H. C. Carder
D. Danna* (5)
M. W. Farrar*
P. B. Hodges
F. J. Holzapfel
D. B. Hosmer*
R. E. Howard*
W. K. Johnson*
C. F. Luecke*
W. R. Richard*
W. R. Robirds*
C. W. Roos
J. R. Savage*
J. E. Smith
J. A. Stephens*

Other Locations

P. O. DeGarmo* - So. 2nd
A. H. Forsten - Alvin, Texas
G. A. Hippe* - W.G.K.
W. L. Small - Texas City
R. C. Morris* - Everett
R. L. Wiese* - J.F.Q.
H. L. Williams* - Nitro
J. F. Winkler* - Delaware River

Summary

AUGUST 1971

Specialty Products

Evaluation of potential capacity bottlenecks to cumene injection on both Polyphenyl Tubular Units is in progress. A work schedule will be issued in September. Primary concern is the hydrogen compression capacity. A third compressor is needed and will be evaluated in relation to HB-40 and WCM needs. PR&D will complete the testing of higher hydrogen pressure versus WCM in November '71. Batch time is now 2 to 3 times that of HB-40.

A PR&D report entitled "Polyphenyl Pilot Studies" has been prepared and will be issued the week of 9-7-71. This report summarizes all polyphenyl promoter studies.

Report No. 3 of the PR&D Aroclor Pollution Study was issued 8-20-71. This is the final report on this project and covers a flocculation-clarification process for removing trace quantities of Aroclor from a solids-containing waste water.

AFE 3819 to add three more feed points to the Biphenyl still was approved (NFC $5,000). Project package will be transmitted the first week in September with installation by October 1.

Electrical and instrument construction on Project 3780, Improve Hydrogen Utilization in HB-40, is scheduled to begin 9-7-71. All major E/I items have been received with the exception of the hydrogen meters for the autoclaves.

Electrical work on the Standby Propane Fuel System is 95% complete. All major equipment including the 60,000 gallon LPG storage tank has been set. The storage tank arrived in the plant 9-1-71 and was set 9-3-71. The structural steel work for the compressor and blender buildings has been erected and the siding should arrive on or about September 13.

Agricultural Division

PR&D work on the recycle of organic still residue from Methyl Intermediate into the next thio acid charge as outlined in the work plan of 7-26-71 is progressing on schedule. A series of recycles using extended chlorination and distillation times and 5 mm distillation pressure at a chlorination level of 102-104% is underway. One hundred percent of the organic is being recycled.

606 REV. 11/1/1968

DSW 014994

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The automatic steam controller on #1 Parathion intermediate still functioned without fault through the Methyl run. Improvement associated with the final optimization steam profile was 300 pounds per batch, a 5% increase. Designs are being prepared for improved models on the remaining intermediate stills.

Discrepancies in nitrogen sparging were discovered and corrected, and three chlorinators increased to 5,000 cubic feet. An average 230 pounds per batch increase was achieved, worth $19,000 per year.

Strong correlations were revealed between higher sulfur content of P_2S_5 and improved chlorinator performance. This will be further studied to define optimum sulfur levels.

Pollution Control

The plant effluent stream was switched to the No. 1 limestone pit in early August. Aroclor losses for August are well below the 1#/day goal. The final report on the reactor-clarifier study for PCB removal was issued during August.

J. C. Landwehr

/dp

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PLANT LABORATORIES

ANALYTICAL AND QUALITY CONTROL - S. O. Kemp

Complaint Report

Quality

None

YTD Quality Complaints/100 Shipments 0.21

Target 0.20

DSW 014996

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COMMUNITY RELATIONS, PERSONNEL, RECRUITING AND DEVELOPMENT

Personnel

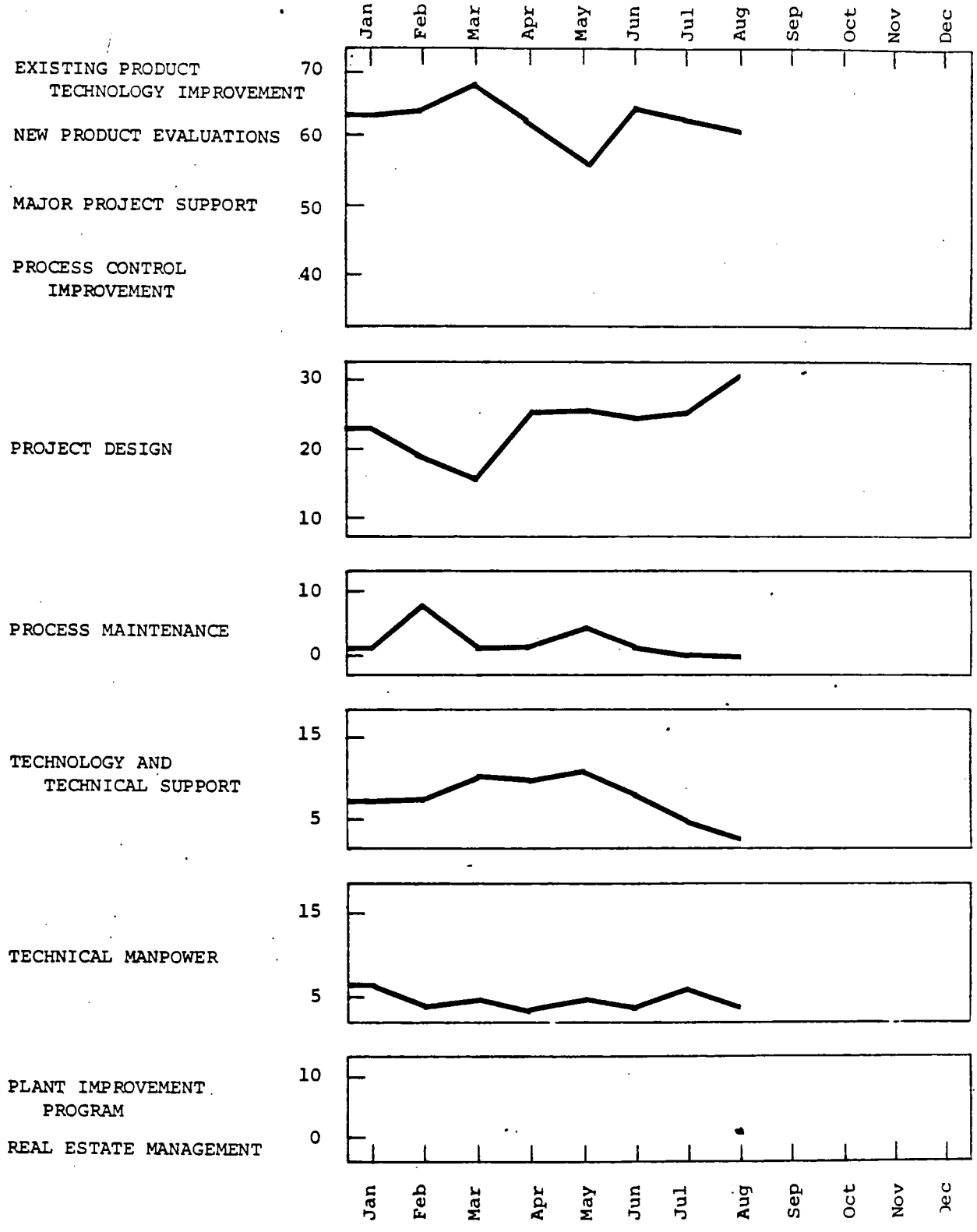
K. G. Hale and D. W. Dudley were given temporary assignments in the South Plant and North Plant Production Areas, respectively, to assist with downtime and quality problems.

Visitors

F. J. Holzapfel visited the plant 8-31 and 9-1 for a review of pollution control problems and plans as they relate to long range sewer improvement and air pollution abatement programs.

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1971 DISTRIBUTION OF TIME BY TECHNICAL SERVICE



DSW 014998

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