ANNISTON PLANT

TECHNICAL SERVICES DEPARTMENT

1966 OBJECTIVES

Status Report - January to April

B. 1966 Goals and Actions

I. Safe manufacture of quality chemicals at minimum long range cost.

a. Safety

1. Maintain major accident frequency of 0.0

Status: Major accident frequency 0.00

2. Attain minor injury rate of 2.0 or less

Status: 2.09

3. Conduct monthly department safety meetings (TSD Members)

Status: On schedule.

4. Engineer long range safety projects

a) Winterizing of safety showers

Status: Survey of showers completed, #1 priority for mechanical design. EDC 8/1/66.

b) Color coding of utility piping

Status: Vendors contacted, samples of piping markings received. #3 priority for mechanical design. Revised EDC 9/1/66.

c) Dual relief systems

Status: No progress to date. #4 priority for mechanical design. Revised EDC 9/1/66.

d) Vents on vessels and tanks

Status: No progress to date. Revised EDC 12/1/66.

e) Separate city water and cooling water systems in Niran.

Status: Awaiting final plans on Niran expansion. One back flow preventer will be installed on the expansion. Revised EDC 11/1/66.

b. Quality

1. Expand quality surveillance program by charting all finished products having 25 lots and 50,000 pounds per year.

   Status: In progress, 50% complete. Revised EDC 8/1/66.

2. Conduct training course for technical personnel in "Practical Statistics".

   Status: No action to date.

3. Review conformity of all raw materials to established specifications.

   Status: No action to date.

4. Carry out a statistical study to determine need for improved container weight control.

   Status: No action to date.

5. Apply statistical operations control to Aroclor Department.

   Status: In progress, 25% complete.

c. Cost and Process Improvement

1. Attain specific cost improvements of at least $548,000 as detailed in the 1966 Cost Improvement Program.

   Status: First quarter - 108.5% of target.

2. Maintain technical effort of 55% on Process Improvements

   Status: 51.4% YTD.

3. Update all Process Improvement Plans 1 year from initial date of issue.

   Status: Chlorine and Niran revisions are in progress. All others are current.

4. Implement Chlorine Control Program.

   Status: In progress.

5. Develop program to upgrade electrical facilities and replace knife switches in Chlorine Plant.

   Status: Present switches cleaned and upgraded. Replacement of knife switches not economically justified at present.

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6. Develop mercury material balance and a program to reduce mercury losses in Chlorine.

   Status: In progress.

7. Complete program to upgrade Aroclor quality and reduce residue.

   Status: Pilot Plant earth treatment facilities are presently being designed to upgrade electrical Aroclor properties.

8. Evaluate steel bottom cells for Chlorine Plant.

   Status: Preliminary evaluations were completed. New method of cell repair has pre-empted switch to all steel bottoms. Work postponed pending evaluation of new concrete bottoms.

9. Increase PNP production to 19.5 $\overline{M}$ #/yr.

   Status: 18.41 $\overline{M}$ #/yr. rate demonstrated 4/66. Work in progress to achieve 19.5 $\overline{M}$ #/yr. rate.

10. Debottleneck Solid Aroclor System to meet design rates.

    Status: Work 80% complete. Chlorine vaporizer installation and Chlorine supply improvement are next steps.

11. Increase HCl recovery efficiency to 95%.

    Status: Work in progress.

d. Liaison and Start-ups

1. Provide liaison and back-up support for 1966 new plant expansions and major projects.

   Status: In progress.

2. Outline and determine start-up needs for all plant expansions in 1966.

   Status: In progress.

II. Employ and Train Technical Personnel to make Manufacturing Cost Improvements and for Plant Growth.

a. Personnel

1. Hire personnel to fill manning chart.

   Status: Three new Engineers and one Draftsman hired. Two Senior Engineers transferred to Production; one Senior Engineer transferred from Texas City. Have openings for Supervising and Process Engineers.

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2. Hold bimonthly training sessions.

   Status: One held.

3. Continue development of technical personnel through technical seminars and short courses.

   Status: J. C. Price attended Drafting Administration Seminar at the University of Wisconsin.

   G. C. Goodwin attended Functional Drafting Seminar by Industrial Educational Institution in Atlanta.

   J. A. Veazey is currently attending the Power Distribution Seminar by Alabama Power Company in Anniston.

   L. C. Fuhrmeister attended the Sensitivity Training Course presented by Personnel Development and Research Corp., Oberlin, Ohio.

4. Investigate program for continuing education

   a) Through Dr. William R. Bennett, Director of Graduate Division University of Alabama.

      Status: No action

   b) Through Associate Industries of Alabama Committee on Educational Activities.

      Status: No action.

5. Develop personal objectives for self improvement, to be reviewed quarterly.

   Status: complete.

b. Function

1. Develop 6 new TSD Guidelines

   Status: 75% complete.

2. Update all plant maps and maintain current.

   Status: 40% complete. Overall plant map and plant block plan revised and up-dated.

3. Revise department filing system and discard obsolete material.

   Status: In progress.

4. Update Drawing File System - Investigate micro film system.

   Status: In progress.

5. Set up technical library.

   Status: In progress.

6. Survey plant power system, issue single line drawings of plant system and individual departments.

   Status: Overall plant study complete. Individual departments study currently in progress.

7. Set up Physical Constants Data Books for all primary products, to include data on raw materials and intermediates.

   Status: 80% complete.

8. Move to new facilities with minimal interruption.

   Status: In progress.

9. Set up separate service budget for Process Research.

   Status: Figures are being isolated at present.

L. C. Fuhrmeister

/kd
5/16/66

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