

INTER-OFFICE MEMO **TENNEGO CHEMICALS, INC.**

TO W. Miringoff
 FROM J. T. Sweeney ✓
 SUBJECT Flemington Monthly Report
March, 1981

AT Piscataway
 AT Flemington

DATE April 1, 1981

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I. PRODUCTION

1. Production in March was 7.922 M Lbs. representing 100.1% of the monthly budgeted production rate and 93.9% of the standard production rate.
2. Productivity delays encountered during the month were as follows:
 - a.) Partially set-up batch in R-10 (see item V-D) = 200 M Lbs.
 - b.) CBS Type 318 trials involving space charging and other processing delays = 150 M Lbs.
 - c.) Elongated polymerization cycles resulting from operating reactor on river cooling water vs. chilled cooling water in order to reduce electrical energy costs. = 150 M Lbs.

The above items resulted in a total productivity loss of 500 M Lbs.

II. QUALITY

A. "RFT"

"RFT" for March was 89.2% vs. 87.5% Y-T-D.

B. GRADE III SUMMARY

Grade III production in March was low at 1.9% (0.151 M Lbs.)
 The Grade III production resulted primarily from burnt resin contamination.

TEN-FLEM 20058

TEN 4666

C. CUSTOMER RELATIONS

The plant experienced one customer rejection in March.
(Nixon - contamination).

$$\frac{\text{Lbs. rejected}}{\text{Lbs. produced}} = \frac{0.04 \text{ M Lbs.}}{7.922 \text{ M Lbs.}} \times 100 = 0.50\%$$

D. QUALITY IMPROVEMENTS

1. The slurry electromagnets are continuing to function well. The permanent purchase and installation of a larger revision of these electromagnets on both dryer lines, plus the purchase and installation of an electromagnet in "B" dry resin stream is expected to be completed by April 30.
2. Type 318 trials for CBS involving improved rheological properties were conducted in March.
3. An interim slurry tank blending system was installed by the plant at month's end.

III. YIELD

Yield was below standard at 96.0 % (vs. 97.1% standard). Low yield resulted from:

1. Transfer of 45 M Lbs. of off spec recovered monomer to a railcar for disposal.
2. Loss of 15 M Lbs. of resin resulting from partial set-up in R-10.
3. Loss of 20 M Lbs. of resin resulting from the short-stopping of two reactor batches due to control system malfunction.

IV. OVERTIME

Controllable overtime in March was high at 23.8%. Training cost for transferred employees, absentee coverage and overtime bagging were the major factors.

V. GENERAL OPERATION

A. REACTOR BUILDING VCM LEVEL

Reactor Building VCM level for March was low at 0.3 ppm.

B. SAFETY

1. OSHA Days Away From Work Cases = 0
2. OSHA Restricted Duty Cases = 0

The plant has now worked 498 consecutive days without a lost time injury.

C. EXPANSION

1. Construction on the overhead silo installation continued throughout the month. Startup date of this project is estimated at April 3, although some appurtenances will remain to be completed. As a continuing interim measure, resin is being loaded into trucks at Flemington and transferred into hopper cars at Ringoes, New Jersey.
2. Engineering is continuing to investigate the cause of intermittent failures in the Water Addback Metering System.

D. PARTIAL SET-UP - R & D

On March 6 the plant experienced a partially set-up batch in R & D. Early warning by the wattmeter system allowed short-stopping of the batch and the probable prevention of an entire set-up. The cause of the set-up is thought is be related to an impurity present in the recovered monomer which is not measured by current analysis methods

E. PERSONNEL

1. Mr. R. Kelly and Mr. G. Barboni were hired to fill two vacancies in the plant compliment.
2. Mr. C. Staniulis, Dryer Operator, retired March 24, 1981.

3. Mr. S. Jones, Chief Boiler Operator, passed away on March 11, 1981.

VI. SUMMARY - Attached

VII. CAPITAL SPENDING STATUS REPORT - Attached

VIII. MANUFACTURING COST PROJECTION - Attached

DMH
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