V. TECHNICAL DEPARTMENT

MONTHLY REPORT
MONTH: JANUARY, 1975

I. PROJECT PROGRESS HEADINGS

a. Coarse Sand Aggrigate (RM 00E), Additions in Profax formulations

1) Project Status

Work will begin on this project after March 15, our target date, for conversion to asbestos-free Profax, Cleveland Plant.

b. Paper containing Profax and Proflex

1) Project Status

Eighteen plant trials were conducted during January on asbestos-free EP 5672P. All the runs were successful with the exception of the 878 1-piece Bethlehem-Johnstown top which is the largest of the 1-piece class. Further production work is necessary. The following test data has been accumulated:

Average density for all shapes combined	0.818 g/cc
Average density for 1-piece tops combined	0.780 g/cc
Average density for multi-piece combined	0.837 g/cc
Average transverse strength for all shapes combined	316 p.s.i.
Average transverse strength for 1-pc tops	329 p.s.i.
Average transverse strength for multi-piece combined	310 p.s.i.
Average L.O.I. for all shapes combined	5.77

The average density on the injection #685 Copperweld K-4 boards are averaging 0.88 g/cc. All Profax has been approved for conversion to EP 5672P with the following exceptions:

a. # 685 Copperweld
b. # 669 Republic-Canton
c. # 386, 471 Sharon Steel
d. All Kaiser
e. All Y.S. & T. Chicago
f. # 593 Armco-Kansas City
g. # 579 Laclede
h. # 878 Bethlehem-Johnstown
i. # 841 Bethlehem-Johnstown
j. # 341-346 Armco-Middletown
k. # 598 Atlantic Steel

PLAINTIFF'S EXHIBIT
FOS-713

II. MAJOR PROJECT PROGRESS

A. Asbestos-Free Conversion Program

1. Objectives, Scope, and Potential Impact

To eliminate asbestos and develop the asbestos-free recipes (origin: January, 1975).

2. Project Status

Conversion of PROFAX products to E.P. 5672P is complete in Cleveland Plant with the exception of:

#685 Copperweld - Final approval expected W/E March 15.
#598 Atlantic - Test pallet shipped March 3.
#800 etc. Kaiser - Sales to report on test pallets.

In the Chicago Plant, various tests are in progress. Mt. Braddock has converted all items except Corner Posts for which a new recipe is now available for testing. PROFLEX items are still not yet converted but a new recipe has been developed for test.

3. Proposed Action

Push for completion of Cleveland and Chicago conversions during March.

B. New Seal-On Programs

1. Objectives, Scope, and Potential Impact

Design, plan, and follow-up the various Seal-On programs (Origin: January, 1975).

2. Project Status

#985 25" sq. U.S.S. Gary: Sales were low in February due to slow down in steel production. The extra castings are expected in March when sales should improve.

#737 33" sq. Bethlehem-Lackawanna: Sales are still delayed until later in the year when the Bar Mill operates.

#287 26" x 29" B&W-Beaver Falls: Design Engineering has completed the survey and has drawn up a proposal for B&W's approval. It will be presented in March.

#453 34" sq. Republic-Chicago: Still only making one heat per day. There were 8 more castings in by the end of February with the balance of 17 due in March. Seal-On sales should increase in March.

3. PROJECT PROGRESS

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