CEMENT ASBESTOS PRODUCTS COMPANY
Birmingham, Alabama
March 14, 1975



OPERATIONS BULLETIN # 18 - HYDROSTATIC PRESSURE

Class 250 A/C pipe is becoming more popular and while still a "special" it may become part of AWWA and ASTM specifications. The 4 to 1 test on Class 250 requires a 10001b test pressure and all equipment must be designed to handle 1200 P.S.I. during this test. In the event that a B/R representative will request a "destruction test at their expense" a pipe designed for 1000 P.S.I. can reach pressures of 1200 P.S.I.

It is necessary that we keep this requirement in mind whenever applicable to design, repairs, piping, alterations, etc. and it must be a part of specifications for test heads, hydrotester piping, hi-pressure pumps, etc.

The O.D. test heads will be rechecked to see whether the original design calculations were made in consideration of an operating hydrostatic pressure of 1200 P.S.I. before safety factor calculations. It may come about that our existing test heads will handle the 1000 P.S.I. in which case the destruction test will have to be handled in some other manner, if and when requested.

Putting things in perspective - (1) It is requested that the proposed changes to speed up the hydrotester "fill time" be designed with the 1200 P.S.I. figure in mind. (2) Our existing test heads will be identified clearly with the maximum allowable test pressure. (3) Hi-Pressure Pumps.

Item (1) applies to drawings to be produced here or at the plants and any components considered during the rebuilding of the hydrotesters, or "wet" coupling testers.
Item (2) will depend upon the calculations used originally but after rechecking, plants will be required to apply the maximum pressure identification.
Item (3) Will require consideration of 2 Moyno pumps in series or a spare Hi-pressure pump that can be cut in for the 4-1 test on Class 200 products, and used whenever Class 250 pipe is being tested.

At this point in time, it is asked that this test requirement figure be recognized whenever engineering or purchasing of components are being considered.

A. E. Alpine
Vice President of Operations

cc: W. R. Bond, M. J. Messel, I. L. Taylor, S. D. Weaver
Lynn Roberts, Buddy Swafford, Cecil Clark, Bill Fleming, Wayne Limbaugh,
Jim Wright, W. R. Davis, Jim Carpenter, Fred Bickel