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MAR 16 1959

Asbestos Fiber Dept.

A.F.D. ASBESTOS
March 11th, 1959

R. D. Baker - Munro Mine

**Raw Materials Analyzation
Atlas Werke A.G.**

We have reviewed the report submitted by Atlas Werke with reference to the use of asbestos waste material in the production of bricks. We note the conclusions of the report are favorable from the standpoint of using asbestos waste material for the manufacture of industrial bricks.

In 1957, we received a similar report from a Mr. Gorin of Montreal as a possible new use for asbestos waste. This matter was followed to completion by Maurice Blackhurst through the Canadian Products Division and after considerable testing of the brick samples and wallboard samples the following conclusion was reached:-

"The results of the tests on the brick samples were compared with ASTM specifications for various types of building bricks. The experimental bricks were low in crushing strength, high in water absorption and showed signs of spalling and cracking after only 12 cycles of freezing and thawing. Based on ASTM specifications these bricks do not meet the requirements of the poorest grade building brick."

"The wallboard samples far exceeded the ASTM weight specification for gypsum wallboard being approximately twice as heavy. Flexure strength was found to be low, approximately 30-50% lower than ASTM specification."

We have forwarded the report of Atlas Werke together with the letter of Transocean Machine Company Inc. to the attention of John Trice and Maurice Blackhurst for their further comment. We note that five test specimens of the bricks were sent from Germany and would suggest that if you have some of these available you send two of them to the Research Center, attention M.W. Blackhurst.

M. W. HENRY

MWH/sa

cc- K.V. Lindell
M.W. Blackhurst - Research, Manville
J.Q. Trice - Research, Manville

DEFENDANT'S
EXHIBIT

05-187