FILE NAME: Warren Pumps (WAR)

DATE: 1983 May 24

DOC#: WAR005

DOCUMENT DESCRIPTION: Memo

WARREN PUMPS HOUDAILLE
ONE OF THE HOUDAILLE PUMP GROUP

Warren Pumps, Inc., Subsidiary of Houdaille Industries, Inc.
Warren, Massachusetts 01083 U.S.A.
Telephone: (413) 436-7711

May 24, 1983

Liberty Mutual
472 Lincoln Street
Worcester, MA 01605

Attention: Mr. Matthew J. Allen, Senior Loss Prevention Representative

Subject: Products Safety and Reliability

Gentlemen:

As Chairman of the Warren Pumps Division Product Liability Committee, I have been instructed by the Committee to obtain your comments concerning the use of asbestos products in our pumps.

For many years asbestos products have been used in pumps, ours as well as our competitors, for items such as packing and gaskets.

In recent years the hazards of certain forms of asbestos have become well publicized. However, it is the overwhelming feeling of the Committee that asbestos as used in our pumps should not be considered a health hazard.

In a separate package we are sending to you samples of the following packing and gasket material:

John Crane Style 810 - which is described as being made of asbestos yarn with impregnated lubricant and graphite.

John Crane Super-Seal No. 1 - which consists of white metal particles, graphite, binder and special long-fiber asbestos.

Ace-O-Pax 1460 - which is described as manufactured of long fibre asbestos yarn thoroughly lubricated with a mineral oil lubricant and surface coated with either graphite or mica.

Anchor 317 - which is described as asbestos packing lubricated and graphited.

Johns-Manville CG 1 (formerly Style 255)- which is made of white asbestos yarns lubricated with petroleum base wax and a graphite finish.

Compressed gasket sheet - unidentified but probably Anchor 4250 which is described as being made from South African blue asbestos fiber and compressed with a special rubber formula.

Attached are copies of Warren material specifications pages R004A, R018A, R033A, R034A, R048, R049, R054 and R055 which describe other packing and gaskets used in our pumps.

EXHIBIT
Doktor
22-H
10-12-12 ev
PENGAD 800-631-6989

Some additional packing we use are:

Ace-O-Pax A90 - which is described as manufactured of long fibre asbestos yarn thoroughly lubricated with a special lubrication and surface coated with mica.

John Crane G-59 - is described as made of white asbestos impregnated with TFE suspensoid and a special lubricant.

JM Chempac 2009 - which consists of white asbestos yarn, TFE impregnated and lubricated with special wax and oil.

There are other types of similar packing and gaskets we occasionally use, but the types mentioned previously should be sufficient for you to comment.

Very truly yours,

WARREN PUMPS DIVISION
HOUDAILLE INDUSTRIES, INC.

C. W. Nordhausen
Mgr., Application Engr.

enc.

mg