PRIVILEGED AND CONFIDENTIAL

FROM ROBERT P. CARTER
INDUSTRIAL HYGIENE DIVISION
PITTSBURGH OFFICE

TO INDUSTRIAL HYGIENISTS

August 21, 1972

RE: ASBESTOS-CONTAINING REFRACTORY AND INSULATING MATERIALS USED IN FURNACE AND CASTING EQUIPMENT CONSTRUCTION

Ref: R.P. Carter's letter dated 12/23/71 Re: Emergency Standard for Exposure to Asbestos Dust.
G.H. Farrah's letter dated 4/17/72 Re: Asbestos Dust Exposures.

Because of the very stringent standard which has been established by OSHA for worker exposures to airborne asbestos fibers, we have received several inquiries for information as to which materials used in Alcoa operations contain asbestos so that the use of these materials can be surveyed for our conforming fully with the provisions of this standard. The list below includes, to the best of our knowledge, all asbestos-containing materials used in our furnace, smelting pot and casting equipment construction. We have not made any attempt to include here the asbestos-containing materials which are used for pipe lagging and other forms of insulation in general construction.

Material	Asbestos Content
Superex Insulation	8%
Marinite	25-50%
CFB Asbestos	100%
Asbestos Millboard or Paper (Note: May be supplied by Rubberoid or other supplier)	50% or more
Kaylo (Calcium silicate-asbestos combination)	10-15%
Transite	25-50%
Asbestos Tape	80-99%

PLAINTIFF'S EXHIBIT AL-1435

For your further information, we are presently making a survey of refractory and insulating materials for free silica content which will be forwarded to you when obtained for your guidance in proper application of the OSHA standard for worker exposures to silica dusts. It will probably be six to eight weeks before this information has been obtained and compiled for transmitting to you.

If we can be of any further assistance in this matter, please do not hesitate to contact Mr. G.H. Farrah on matters relating to the sampling and test methods and either Mr. T.B. Bonney or the writer on other matters related to this asbestos standard. Of course, Mr. V.W. Rieke and the Environmental Engineering Division will be actively involved in our engineering control efforts with respect to worker exposures to asbestos fibers and their assistance should be fully utilized in this area.

83-3875-09000-003 #1

Robert P. Carter

RPC:mh

ALCOA

APC 003954

cc: V.W. Rieke, Pittsburgh - 2
G.H. Farrah/J.M. Plunkett - ATC
H.M. Short, Pittsburgh - 7 0 P
M.J. Caprio, Pittsburgh - 19

Info copies to:
F.C. Irving, Jr., Pittsburgh - 29
J.C. Bates, Pittsburgh - 22
R.S. Adams/R. Kohler, Alcas Cutlery Co.
F.D. Koran/E.A. Moats, Tifton Aluminum Co., Inc.
A.P. LeClair, Jr./J.A. Elliott, H C Products Co.
J.L. McKinley/R.B. Kempton/M.L. Bookout, Rea Magnet Wire Co., Inc.
R.F. Butler/D. Trudel, Permanent Mold Div., Cleveland Works
J.W. Anderson, ABP, Inc.
A.C. Sheldon/W.J. Koopman, ACPC, Allegheny Center
J.W. Warnock, ACPC, Marshall Works
J.S. Hamilton/J.J. Thimons, Wear-Ever Aluminum, Inc.
R.C. Wilson, LeFiell Sport Products, Inc.
D.D. Rhoads/W.A. Coward, Lincoln Manufacturing Co., Inc.
R.C. Dean, Frigidome Division