FILE NAME: WR Grace (WRG)

DATE: April 18, 1972

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DOCUMENT DESCRIPTION: 1972 Memo to TL Lyall from HA Eschenbach regarding Travelers Rest Air Sampling Results

35184 File

CAMBRIDGE

TO: T.L. Lyall

DATE: April 18, 1972

FROM: H.A. Eschenbach

SUBJECT: Travelers Rest Air Sampling Results

CC: R.E. Schneider
R.A. Kulberg

Air samples taken at Travelers Rest on February 28-29, 1972 indicate an unusually severe fiber problem at the Model A expanding furnace. A sample taken on February 28 while expanding SC #3 ore yielded concentrations of 5.6 fibers longer than 5 microns per cc. A sample taken early the next morning when they began to expand Libby #2 ore yielded 12.4 fibers. Approximately two hours later, a sample yielded 36 fibers. The increasing fiber count indicates that the Libby #2 ore being expanded at that time had an unusually high fiber content and dust control on this furnace is non-existent. Additionally, the above 5 level while expanding SC ore indicates a great deal of recirculating fibers.

It is recommended that a Bureau of Mines approved dust mask be mandatory for the furnace operator and bagger at all times. I realize that this may be a difficult policy to control, but the concentrations become so high that we have little choice.

Other samples taken during Radi-Earth bagging yielded 1.7 fibers (large bagging station) and 3.5 fibers (small bagg
It is interesting to note that the high fiber coun
where bagging of small plastic bags of Terra-lite
an hour before.

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H.A. Eschenbach

HAE:mh