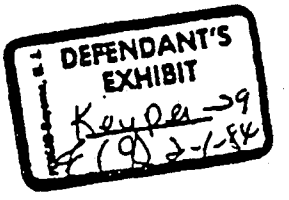
E. I. DU PONT DE NEMOURS & COMPANY
WILMINGTON, DELAWARE 19898

ENGINEERING DEPARTMENT

cc: R. A. Miniard-FPM-Spruance
F. L. Hunt



May 23, 1966

KENNETH E. KEUPER
CONSTRUCTION SAFETY ENGINEER

During my visit to the Spruance Construction site, May 17, 1966, I discussed with R. A. Miniard, FPM, the interest in biological effects of asbestos dust and particals when working with insulation materials and asbestos products.

Miniard proposed I review with T. Brooks the list of questions you and I discussed prior to the trip. Brooks' comments were as follows:

Limpet appears to be the most economical material to insulate large areas even with strict safety regulations i. e., men wearing respirators or air masks, work done in restricted areas away from other operations.

The materials currently being used at the Spruance Shop are dustier in the order listed.

Cal. Sil. (Thermasil)	very dusty and brittle
Unibestos	very little dust
Fiberglas -	very little dust
Mineral wool -	least dusty

Brooks feels the use of respiratory protection, if required by workmen, would increase costs.

While at the shop, dust was collected under the electric cutter used to cut asbestos cloth, approx 36" of cloth was cut having a fair amount of dust and small pieces of asbestos on bench.

Asbestos felt has been discontinued on all U. S. Navy ships because of exposure to Asbestosis to applicators and crew after ship is put into service.

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May 23, 1966
Kenneth E. Keuper

C. A. Parks of Construction will investigate possible candidates for asbestos cloth substitutes. When a satisfactory material is approved, we suggest it be considered as a substitute for asbestos cloth.

Regarding the application of Limpet, it should not be sprayed indoors and only in roped off areas with all personnel in area to wear cartridge respirator in addition to all other safety equipment. Finish to be applied before pipe or equipment sprayed Limpet is placed.

The respiratory disease problem is an occupational hazard and if safety precautions are used both in our shops and in field application, we can reduce the hazards to the minimum.

DESIGN DIVISION

W. H. Zane
Insulation Engineer

WHZ/fg