WAD0002 0780

NRMC-BREM 430/LRL:ep
6260/41
15 March 1977

MEMORANDUM FOR BOILERMAKER SUPERINTENDENT

Subj: Asbestos use; evaluation of

Ref: (a) NAVSHIPYDPUGLTINST 6260.11, Part 8, Chapter 1 "proposed change"

1. The Industrial Hygiene Branch reviewed the in-shop asbestos containing material handling and use procedures by Shop 41 personnel on 8 March 1977.

2. Asbestos containing materials are used primarily in Building 460 with asbestos millboard used in Building 107. Asbestos work is done on Cincinnati Shearer NID 251-018058, Nibler Senior NID 251-027658, and Buffalo Forge Punch NID 251-008842. The items stocked in Shop Stores 41 which contain asbestos and which were evaluated are as follows:

a. Asbestos millboard is used in Building 107 on propeller work. Shop 29 indicates a satisfactory non-asbestos substitute has been selected and should be available shortly. The use of the asbestos millboard should then be discontinued.

b. Asbestos sheet is used as a casing seal. The sheet, which is rubberized on both sides, is cut into proper widths on the shearer and may be scribed by hand and punched by machine. The resulting gasket is then glued into place. The shearing and punching operations were sampled and showed 1.3 and 0.5 fibers/cc for shearing and 0.0 fibers/cc for punching.

c. Woven tape has essentially the same use as the asbestos sheet but is not rubberized. It is recommended its use be discontinued.

d. Asbestos packing rope is no longer used and all stocks should be eliminated.

e. Tadpole gasket is used as a door seal. The gasket is cut to the proper width on the nibbler and then cut to the proper length and a joint made with a pocket knife. The nibbler showed 0.0 and 0.5 fibers/cc and a joint making 0.0 and 0.1 fibers/cc. This gasket is available as both rubberized and non-rubberized. The non-rubberized is currently in stock and was used for the test. In the future, only the rubberized gasket should be used.

f. Garlock and Johns-Manville gasket material were not specifically evaluated. Their use has been sampled in other shops and may at times exceed allowable levels.

100327

CRMC-M&S-003656

NRMC-BRNM 430/LRL:cp
6260/41
15 March 1977

Subj: Asbestos use; evaluation of

g. High pressure handhole gaskets contain asbestos but their use should liberate few asbestos fibers.

3. No operations were found to exceed the allowable limit of 2.0 asbestos fibers longer than 5 microns per cubic centimeter air. However, certain precautions are recommended to limit exposure as much as possible.

a. Searches for substitutes should be given top priority.

b. Signs should be posted in the areas where asbestos work is done. A recommended format is:

Asbestos Work Area
Avoid Creating Dust
Wear Dust Respirator When Working With Asbestos
Do Not Remain in Area Unless Your Work Requires It

All asbestos work areas should be cleaned regularly using vacuum cleaners equipped with high efficiency filters. All waste and scrap material should be placed in [illegible] bags and deposited in special dumpsters for asbestos and fibrous glass waste only. Reference (a) requires change rooms and coveralls for asbestos work. People working with gasket material may be exempted from these requirements.

4. The Industrial Hygiene Branch will prepare an informational handout for possible use for people using asbestos and is available for any other investigations or consultations as needed.

ROGER R. BECKETT
Head, Industrial Hygiene Branch

Copy to:
Code 185
Head, Branch Clinic

1003326

CRMC-M&S-003657