

INDUSTRIAL HYGIENE DIVISION
NAVAL REGIONAL MEDICAL CLINIC
PEARL HARBOR, HAWAII

INDUSTRIAL HYGIENE INVESTIGATION SHEET

Date 8 Feb 78

Reason for Investigation:

X56 has a gasket cutting open which was not evaluated before.

Nature of Problem:

Determine the airborne asbestos concentration on the result of cutting the asbestos using an electric cutter.

Evaluation Procedure: (Continue on reverse side)

Two workers, Mr. George Kinoshita 56-13903, and Mr. Kearney Chang 56-70517, work in this section full time. Aside from asbestos gaskets, rubber and ~~for~~ gaskets are also made according to Mr. Kinoshita the electric cutter w/ the blade moving up and down is used infrequently and only when large gaskets are made. A portable oscillating fan is located ~ 20' from the cutting area. This fan is operating continuously thru out the work day. Air samples were obtained at the EE of the worker cutting the gasket mat'l and area samples w/ both the fan on and off.

Conclusion, Summary, or Comments:

The asbestos conc. was below the 25/cc std. No controls or precautions however were being used at the time of the survey. Disposal dust respirator, coveralls, and a vacuum cleaner should be used. The oscillating fan should be turned off. The

Follow-up or Ultimate Disposition: coffee mugs must be removed from the area. Housekeeping should be improved w/ the asbestos gasket waste stored in a cabinet. The hanging master gaskets should be filed.

Memo sent to X56

File Folder: X56

Investigator (s) Awatawaka

Report ☒

Abstract ☐

7965

A local exhaust system should also be installed to remove the

CRMC-M&S-003300

CE: If the film image is less clear than notice, it is due to quality of the document & filmed.

US RESPONSES TO PIRATE SEARCH
CORNING - 151
12-15-83 EX 91-38-91-40

GCH001

E7773

FILE

ICR: if the film image
or is less clear than
s notice, it is due to
quality of the document
not filmed.

The results of the samples together w/ sampling conditions
are tabulated below:

<u>Sample Location</u>	<u>Sampling Conditions</u>	<u>f/cc</u>	<u>Sampling Time</u>
Outside Cage Area ~ 4' away from 4' high	Fan operating	0.08	~ 15 min
Middle of Garage section ~ 4' high	" "	0.3	
BZ of Mr. Kinoshita while cutting	" "	0.7	
Outside Cage Area	Fan off	N.D.	
Middle of Garage section	" "	N.D.	
BZ of Mr. Chang while cutting	" "	0.4	
~ 6" above of the cutting blade 5" high	" "	0.06	

(low probably because
the vibration activity of
motor and table 913323.

US RESPONSES TO PITCHER
CORNING - 151 3/8 - 913323
12-15-83 EX 913323

GCH001

E7774 F1

NOTE: If the film image
is less clear than
notice, it is due to
quality of the document
being filmed.

Housekeeping needs to be improved. The mat'l should be properly stored and the gaskets hanging on the walls should be properly filed. The area is dry swept, which is not recommended. No portable asbestos vacuum cleaner is available. A coffee mess is located ~ 2' away from the cutting ops and this should be removed. Respirators, ~~and~~ coveralls and disposal containers should be used. No caution signs posted.

The sampling data show that the ^{opening} ~~cutting~~ fan ~~ops~~ does increase the airborne asbestos dust concentration at least 2X. Therefore, it would be prudent to stop using this fan whenever this cutting ops is conducted. Both ^{sets} ~~data~~ however, are still below the eff/cc std. According to Mr. Kinschita 15 min cutting time is long and hardly done.

Asbestos Materials Used

1. Johns-Manville
Sheet Packing
Style No. 60
Navy Symbol 2150
HH-P-46, Class 1

Contains chrysotile asbestos.
Bulk sample analyzed
by the McMinis Effective Index
Microscopy method.

2. Barlock

3. Wire Inserted Self Sealing
Asbestos Material.

Exhibit 91.332

CRMC-M&S-003302

US RESPONSES TO PITTSBURGH
CORNING - 1ST SET OF INTERROG
12-15-83 EX 91.332-91.334

GCH001

7775 FL

Memo

From: Hd, Incl Hq Br NRMC

To: Production Superintendent (Code 956), PHNSV

Subject: Ship 56 Asbestos Gasket Cutting Operation;
Report on

Reference (a): Co. NRMC Ltr 6260:DEFJ/FH: by
Ser 14-13 of ^{3 Feb} ~~27 Jan~~ 78

(b) U.S. Dept, H.E.W., Criteria Document for
Asbestos HSM 72-10267.

(c) OPNAVINST 6260.1, Control of Asbestos Exposure
to Naval Personnel and Environments, 9 Apr 74.

(d) Federal Register, Occupational Safety and Health Standards
Vol. 39, No. 125, ^{Part I} 27 Jun 74.
NAVSHIPYD PEARLINST 5100.1A, PHNSV Safety Supplement

(e) ~~PHNSV~~ No. 205P.2, Subject: Asbestos Exposure Hygiene, contr
7, 19 May 1977.

1. In response to reference (a) which is addressed to the
Co, PHNSV, subject survey was conducted by the
NRMC Incl Hq Br to determine the airborne asbestos
levels during a gasket cutting operation. Of concern
was an electric cutter w/ its blade moving ~~in~~ rapidly
in a ~~high~~ horizontal direction (up and down) which has
the potential of creating airborne asbestos dust. Located
near the cutting operation is a portable oscillating
table fan which is continuously operating throughout
the work day. The air sampling criteria specified in
reference (b) were utilized to obtain airborne asbestos

US RESPONSES TO PIR
CORNING - 1ST
12-15-83 EX 41-318-91-110
INTERROG

GCH001

7776 FL

notice, it is due to
quality of the document
being filmed.

(3) ACGIH Ventilation Manual, 14th edition

Encl (1) ACGIH VS-803, Pneumatic Chisel Sleeve, p 5-89.

Encl (2) List of Recommended Portable Vacuum Cleaners
(Portvac) for Asbestos Clean-up.

U.S. DEPARTMENT OF
CORNING-151
12-15-83 EX 9/3/8-21140
INTEROC

GCH001