

FILE NAME: Johns-Manville (JMA)

DATE: 1970

DOC#: JMA364

DOCUMENT DESCRIPTION: Minutes - Shipyard Meeting at Mt.
Sinai RE Shipyard Insulation Problems

AL 102 22 2688

7/11/70
JUN 11

Shipyard Meeting 1970

E 5145

Research and Engineering Center
October 9, 1970 (dictated 10/8)

File 239

~~G. W. FURNEY~~
~~S. Naylor, DMO~~
~~C. E. Isaac, DMO~~
W. Raines, GNO

Mount Sinai Meeting
SHIPYARD INSULATION PROBLEMS

Dr. Selikoff informed me that this meeting will be held at 9:30 a.m. on October 13 at Mount Sinai Hospital. We should plan to meet at Dr. Selikoff's office in the Environmental Sciences Department, Mount Sinai Hospital, at that time. He will take us from there to the Board Room where the formal meeting will start at 10 a.m.

In addition to ourselves, and several people from Dr. Selikoff's staff, representatives from the U.S. Navy Department, the U.S. Department of Labor, the Occupational Health Division of the U.S.P.H.S., and the Shipbuilders Council of America will be present.

I have not received an official agenda or list of attendees, but if I do prior to the meeting, I will forward it to you.

F. L. Pundack
F. L. Pundack

cc

cc: J. B. Jabe, DMO
N. W. Burleson, DMO

69 0589

10/11/70 8F1

AL 102 22 2689

SHIPYARD MEETING - MOUNT SINAI
OCTOBER 19, 1970

File

ATTENDEES:

Cdr. (Dr.) George Lawton, USN
Cdr. (Dr.) Samuel Barbee, USN (Visited J-M Research Center)
Carl Mangel - Project Engineer- Puget Sound Naval Shipyard
John O'Neil, US Dept. of Labor
Harry Howard - Bethlehem Steel & Shipbuilders Council

Austen Sheehan - Todd Shipyard &
Jim Walburn - Asbestos Workers Union

MEETING AGENDA

Dr. Selikoff
Dr. Nicholas
Dr. Seinen
Bill Seinen
Dr. E. Plichter
Dorcas Halsey

MEETING AGENDA

Fred Fendrick
Ed Fennor
Charles Hines
Bill Seinen

Chaired by Dorcas Halsey

RE. SELIKOFF

- Summarized "standard work" re NY and NJ locals.
- Analyses of Portsmouth, N.H. shipyard workers (MSU) showed same mortality rates as NY-NJ
- Most shipyard evidence is based on Royal Navy (Non-insulation workers) and Stumpius. Barries work (including unpublished material)
- Stress on Mesothelioma
- Dr. Selikoff visited USN (Dr. Barbee) (Probably before USN visited J-M Research Center?)
- 1,370,000 people were working in shipyards during height of WW II: With turnover, could be 3-4 million.
- Did they have significant occupational exposure to asbestos (indirect).
- Will this result in many new cases of mesothelioma in near future?

8/2/71

SHIPYARD MEETING - MOUNT SINAI

2.

- Royal Navy has accepted responsibility for mesothelioma resulting from shipyard work in WW II -- Mt. Sinai working with them on possible therapy for mesothelioma.
- Control of peak exposure may remove the hazard. Occasional exposures may not be significant.

DISCUSSION

Dr. Lorton

How do we know non-insulators in shipyards were exposed to much asbestos (vs other possible meso-inducing agents)?

Dr. Salikoff

Meso has been associated primarily with asbestos exposure.

But hazard could be from other insulation materials or other materials with asbestos.

Extruded silicates have produced meso in experimental animals.

OTHER DISCUSSION

Questions of rip-out vs installation - Risk to boilermakers.

Polize

Summarized observations from visits to 50-100 shipyards in US and Europe - Navy and civilian.

Regardless of his trade, a shipyard worker gets considerable exposure to asbestos dust. They work right beside the insulation workers.

PORTY OPERATIONS

Mixing asbestos cements
Cutting insulations
Fitting block to pipes or boilers
Poor housekeeping
Asbestos blanket stuffing
Rip-out (NOT done by asbestos workers)

100-1000 B7C1

SHIPYARD MEETING - MOUNT SINAI

3.

Remarks

Sophones very effective in trapping asbestos fibres.

Discussion of types of R/C equipment

Baron

After Dr. Selikoff and J-M meetings, he visited all USN shipyards.

Has decided that priority concern is to get respirators used in shipyards.

USN in process of promulgating regulations:

- Will recommend substitutes for high-asbestos content materials (amosite blanket and pipe insulation)
- Will enforce 5 fiber ACGIH standard in shipyards.
- Require annual X-rays of shipyard workers exposed to asbestos.
- Seal off areas while asbestos is sprayed.
- Mandatory use of respirators.
- Indecrimination and semi-annual refreshers in industry hazards for workers.
- Use of disposable work clothes for asbestos workers.

Leider

Discussed respirators.

He is Chairman of American National Standards Committee Sub-Committee to draw up standards for disposable respirators.

Next step will be to get Bureau of Mines approved schedule on this.

Respirators being developed by four companies.

Bureau of Mines standards must be published - republished after thirty-days (after announcement) and then promulgated.

Dr. Selikoff

Most insulation installation work is now at 5 fibers per cc. Some areas, like, spraying give 100 fibers per cc -- so airline respirators will be needed.

Nicholson

Reported on procedures at shipyard at Plymouth, UK:

100-100000 85-1

SHIPPYARDS MEETING - MOUNT SINAI

< Changing Room

Air supply masks and "suits"

Substituting fiber glass blankets filled with rock wool - for amosite blankets.

*Substituting material - especially fiber glass - for asbestos in insulation blocks, etc.

NO spraying of asbestos on ships

Produce code booklet for the workers - "Working with Asbestos" - by Royal Navy (Minister of Defense - Labor Division (Naval) NUL 90/66)

CONCLUSIONS

Personal samplers show that indirect exposure to other trades may not be anything nearly as high as the exposure an adjacent asbestos worker is getting.

Dr. Halikoff

When you "clean-up" enough to prevent asbestosis, the workers live longer and thus are available to die from lung cancer and mesothelioma!

Haliday asked for J-M comments on changed materials and practices.

Ernst

More cutting, mixing done off-board ships

Ship turbines are NOT sprayed

Fordbach

Fiber content of Thermaflex pipe insulation being reduced from approximately 15% to 7% - chrysotile instead of amosite.

We have serious reservations about non-asbestos containing insulations (re strength).

* Nicholson said: "This raises question of health effect of these substituted materials."

NOT RECORDED

SHIPYARD MEETING - MOUNT SINAI

5.

LABOR REMARKS:

• Dubious about its role/ability to promulgate enforceable regulations.

Emphasize development of respirators

"Department of Labor is preparing occupational controls and standards for the "Construction Industries"

Labor Department sees asbestos standard moving down from 5 fibers to 2 fibers.

Reminder

Sees need for compilation of what has been/is being done in this area.

Would like committee representing the "groups" present today -- that could develop a "Manual of Recommended Practices". Committee should include someone like Don Bradshaw of NIOSH.

• Another Washington "front"??

Bd

W. P. Ruines

10/15/70

CC: F. L. Dundee
E. H. Finner
F. J. Selan, Jr.
M. H. Sweeney
Carl Thompson
B. Taylor

85-1