

NIBCO INC.
ELKHART, IN 46515
(219) 295-3000
TWX 810 294-2253

INTEROFFICE MEMO



TO Tony Beyer

FROM Glenn Pauley

SUBJECT Asbestos Substitutes

DATE May 19, 1981

In response to your memo of May 14, 1981, Johns-Mansville representative Beverly Wright will be in Elkhart June 2, 1981 during the afternoon. At that time we will be supplied with additional literature and have an opportunity to preview J-M's audio-visual program that was developed in conjunction with their pro-asbestos ad campaign.

It will be necessary for us to provide a carousel type projector with a tape deck and a place to show. I leave this in your capable hands.

The presentation will be left here for our use at the training session--if that decision is made. A sample of the literature package should be here for review prior to the 2nd.

GP/vh

cc: L. Effenberger
R. Fogerty, Jr.
A. Hejl
B. Russell

A handwritten signature, possibly "GP", is written in dark ink. The signature is stylized and somewhat cursive, with a large loop at the end.

NIBCO INC.
ELKHART, IN 46515
(219) 295-3000
TWX 810 284-2253

INTEROFFICE MEMO



TO Tony Beyer

FROM Glenn Pauley

SUBJECT Asbestos Substitute

DATE May 22, 1981

Confirming our phone conversation--the literature package received from Johns-Manville will be sent to Leo for his review. This is the package referred to in my memo of May 19, 1981. Contents include reprints of their pro-asbestos ad campaign plus other supportive documents.

Perhaps Johns-Manville might consider a written response to NIBCO on an inquiry directed specifically to packing and gaskets used in valves. This might then be used by field people in response to questions.

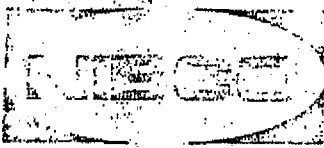
GP/vh

cc: L. Effenberger
R. Fogarty, Jr.
A. Hejl
B. Russell

A handwritten signature, possibly "GP", written in dark ink.

NIBCO NO.
ELM HART, IN 46515
(313) 298-2000
TWX 810 254-2253

INTEROFFICE MEMO



TO: Al Hejl

FROM: Glenn Pauley

SUBJECT: Project E00-448
Stem Corrosion, Asbestos Substitution
Packing, Gaskets

DATE: May 15, 1981

A substantial amount of information has been received and reviewed for this project. Much of it has been directed toward asbestos substitution.

As far as the Federal Government is concerned, there has been a great deal of pressure by the past administration directed against the suppliers and processors of asbestos. The present administration has not continued this approach with the same vigor.

In addition to the apparent softening of the Government position, Johns-Manville is currently engaged in a pro-asbestos advertising campaign with two page ads in Machine Design. Ads have been run emphasizing the advantages of asbestos in roofing and brake linings. There is a third ad that will run on flooring with others including gasketing under consideration.

John Cranes has admitted to a change in their "complete elimination" approach to a "lets wait and see" approach as it applies to their packing line.

For the present at least, it would seem appropriate to follow a "wait and see" attitude rather than making a substitution. There are numerous new products offered as a substitute for asbestos appearing on the market almost daily, however, none yet are as cost effective.

The MSS and Federal Standards still specify asbestos. Close monitoring of the appropriate committees for these Standards should be continued for any indication of change.

Carbon and TFE products can be ordered for those customers who insist on a non-asbestos valve.

Any comment on this subject will be gratefully received.

GP/vh

cc: C. Askland
T. Beyer
L. Effenberger
R. Fogarty, Jr.
S. Hagerty
B. Russell
T. Smith
K. Stransky

A handwritten signature, likely of Glenn Pauley, is written in dark ink. It consists of a series of loops and curves, characteristic of a cursive signature.

110

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Glenn Panley

✓ Tony Beyer

ASBESTOS SUBSTITUTES

5/14/81

Per our previous conversations, please advise on the possibility of having film from Johns Manville Company on asbestos available by June 5, 1981. If above date is not possible, please advise date when film would be available.

Thanks.

EB/wpc
0.6.50

cc: Bob Russell
Leo Effenberger
Al Hajl

NIBCO001541

Tony Beyer

THE ANCHOR PACKING COMPANY — INTEROFFICE COMMUNICATION

W.R. Meierotto
From Detroit Office

Date April 6, 1981

To All Salesmen

Subject Non-Asbestos Products

Gentlemen:

A meeting was held in our Detroit District Office on March 24 wherein A.W. Miedema advised the Company's position on asbestos products.

For those of you not in the meeting he discussed the cancellation of our "dry asbestos" products three months ago. Further cancellation of asbestos products are forth-coming with all products containing asbestos to be eliminated in the near future. The actual timetable on this is unknown at this time except it very well could be in 1981.

We are sending samples to the outside salesmen of the following, listing the styles they will replace.

Style #443 - replacing #424, #425
Style #313 - replacing #317
Style #1331 - replacing #1300
Style #1333 - replacing #1304
Style #1334 - replacing #1108 and #1162

We should all acquaint our customers with these new styles discontinuing the use of the old styles. We have a good stock of #443 on hand which is moving and replacing Style #424 & #425. We will be placing in stock the other four styles as orders indicate.

My suggestion is for you to initiate this change as soon as possible, so you can get a jump on the competition who do not have these new products. Or, if you wait until Corporate has decided to all at once eliminate these old styles, your customer and you find yourselves caught without a replacement product.

If any of you have any questions on the above please contact me personally on the telephone I'll try to fill you in with a broader explanation.

Sincerely yours,

W.R. Meierotto

W.R. Meierotto
District Manager

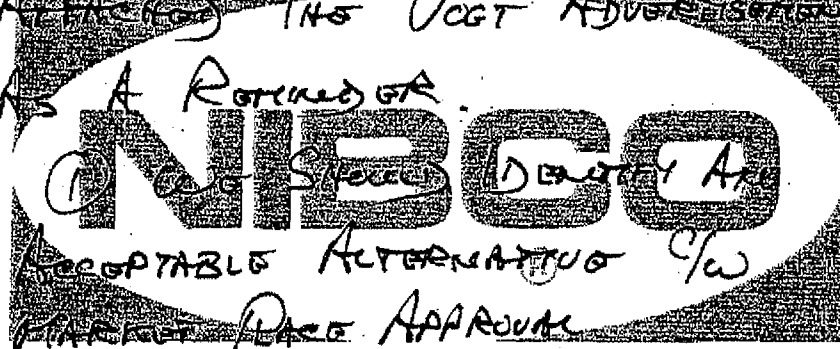
WRM:eg

Samples - #50 S. Lonn
 #55 J. Harriman

Jim Pullen

9-26-84

RICHARD - FOR OUR PREVIOUS
CONVERSATIONS ON ASBESTOS FREE
(ALTERNATE) GASKETS FOR PR
BRONZE AND IRON VALVES, I'VE
ATTACHED THE VOGT ADVERTISEMENT
AS A REFERENCE.



(1) DETERMINES THE MINIMUM
COST FOR A REASONABLE MIX
TO BE KEPT ON OUR SHELF AND
USED ONLY WHERE SPECIFIED.

THANKS 

COPY

NIBCO INC.
ELKHART, IN 46515
(219) 295-3000
TWX 810 294-2253

INTEROFFICE MEMO



TO: Gary Rumrill

FROM: Glenn Pauley

SUBJECT: ASBESTOS-FREE PACKING AND GASKETS
DATE: 9/27/84

Attached are copies of letters from the Veterans Administration concerning their recent stand regarding asbestos packing and gaskets.

Although the language may be misconstrued and the question could remain open because of the choice of the word "should" rather than "shall" - the fact remains that the policy is being enforced on a "shall" basis. This is apparent by our experience at the V.A. hospital in Erie, PA.

The time has come to consider offering non-asbestos options in all valves in order to retain the V.A. business and enlarge total penetration.

We currently offer these options in steel and bronze pressure rated but not iron.

Attached is a copy of the overview letter of August 20, 1984, for additional information.

I recommend we put into place as soon as practical a non-asbestos option for iron.

GP/dl

Attachment

cc: Gary McMurry
Ken Pletcher
Jim Pullen
Richard Runkles

NIBCO001544

GJP SEP 27 A.M.

**Veterans
Administration**

In Reply Refer To: 084A

SEP 25 1984

NIBCO, Inc.
Attention: Glenn Pauley
500 Simpson Avenue
P. O. Box 1167
Elkart, IN 46515-1167

Dear Mr. Pauley:

Per your request, enclosed in a copy of the memorandum from the Director, Mechanical Engineering Service, stating the valve packing and gaskets should be free of asbestos.

Very truly yours,

Sat P. Gupta

SAT P. GUPTA
Chief, Northeastern Heating and
Air Conditioning Division

Enclosure



Veterans
Administration

Memorandum

Date: SEP 12 1984

To: 084A, 084B, 084C, 084D and 084E

From: Director, Mechanical Engineering Service (084)

Subj: Asbestos in Packing of Gaskets of Valves

1. Effective immediately, valve packings and gaskets should be free of asbestos for all our construction projects.
2. The master specifications on both HVAC and Plumbing valves will be modified to reflect the asbestos free requirement.

NATHAN R. FELDMAN

RICHARD BUNKLES

FROM

NIBCO, INC.
500 Simpson Street
ELKHART, INDIANA 46514
(219) 295-3000

SUBJECT: VALVES CONTAINING ASBESTOS - V.A. DATE: OCT. 26, 1984

FOLD ↑

ATTACHED IS A COPY OF THE RESPONSE RECEIVED FROM
THE V.A. CONCERNING EXEMPT STATUS.

PERHAPS WE SHOULD PROCEED WITH AN APPLICATION?
WHAT DO YOU THINK?

SIGNED GLENN

T. BEYER
CC: G. RUMRILL
J. PULLEN
K. FLETCHER

REPLY

DATE: SIGNED

Item #F270 © Wheeler Group Inc. 1978

DETACH THIS COPY - RETAIN FOR ANSWER, LEAVE WHITE AND PINK COPIES WITH CARBON INTACT.

**Veterans
Administration**

October 1, 1984

In Reply Refer To:

Mr. Glenn Pauley
National Specifications Engineer
NIBCO Inc.
500 Simpson Avenue
P.O. Box 1167
Elkhart, IN 46515

Dear Mr. Pauley:

Thank you for your letter of August 22nd requesting information concerning products being placed on the Exempted Products Containing Asbestos List. For a product to be considered for placement on that list the requestor, per 41 CFR 8-74.115-3, must submit to the VA Central Office (10A4A5), 810 Vermont Avenue N.W., Washington, D.C. 20420 the following:

a. Name of the product, source of supply, and physical form of the asbestos as used in the product or equipment.

(1) Percent of asbestos in the product.

(2) Type of asbestos contained in the product.

b. A description of use, including purpose, urgency, methodology, qualities, and capability of the user.

(1) Estimated life of product or how long will it be before the asbestos product will deteriorate to a degree which would require action.

(2) Cost of disposing of the product.

(3) Why another product, used for the same purpose, without asbestos could not be used.

c. Safeguards being employed, with particular emphasis on the identification of the asbestos products, procedures to be taken to prevent airborne contamination, and disposal.


(1) Procedures for handling the asbestos product.

(2) Training information for the safe use of the product.

(3) How the asbestos product can be identified and disposed.

If you have any further question, please call Frank Denny at (202) 389-2761.

Sincerely,


E. L. McNEIL, JR.
Director, Engineering Service

COPY

INTEROFFICE MEMO

NIBCO INC.
ELKHART, IN 46515
(219) 295-3000
TWX 810 294-2253



TO Dick Post - Aug. Stan Rose - Aug.
Gary Martin - Aug.
Robert Beard - Aug.

FROM Tony Beyer

SUBJECT ASBESTOS-FREE PACKING DATE 9/13/85
FOR PLUMBING VALVES

We recently completed cycle testing on various asbestos-free packing materials for plumbing valves. At the same time we also tested the current packing style to develop a benchmark.

The results of our testing are summarized in the following paragraphs.

The Garlock style 170AF packing samples did not pass our requirements in the cycle test. The amount of adjustment required to keep the valve from leaking was above and beyond the limits of the CSA B125 specification.

The balance of the samples tested were all from Lindstrom and King. As a benchmark or reference point we tested the standard packing which we have used for many, many years. This packing carries the L & K number 6+10. The results of these cycle tests were satisfactory, again in reference to CSA B125 specification.

The second L & K sample which we tested was their number 6+10AF. The suffix AF represents asbestos-free. The cycle test on this particular sample was simply horrible. At the end of only 7,000 cycles, we had taken up the full adjustment of the packing nut. The specification requires 100,000 cycles with only one packing adjustment.

The next sample tested of L & K was their number 52AFT. The suffix letters in this case stand for asbestos-free, the "t" stands for tallow which is used as a lubricant. The cycle test on this particular compound proved to be excellent. In one of the samples, the complete 100,000 cycles was attained with no, I repeat no, packing adjustment.

Therefore, the above data indicates that we have two choices at this time. The first choice would be to continue buying the standard 6+10 packing material. The second choice would be to switch to the number 52AFT material from L & K. As I understand the situation, the second choice would cause a cost increase for this valve packing.

NIBCO001550

Page 2

I would suggest that you determine which of the packings you wish to order to complete your immediate needs. I would suggest that we ask L & K to supply us with their number 33 style asbestos-free packing for testing. If they would have any other recommendation for an asbestos-free packing that would be equal to or less in cost than our existing packing, please feel free to initiate samples on this particular item.

We should also be searching other vendors besides Garlock and Lindstrom & King to find an asbestos-free packing which would be cost competitive with our existing style packing.

Should you have any questions relating to this information, please do not hesitate to contact me.

TB/dl

cc: Greg Lehman
Everett Freed - Test Lab
Richard Runkles

NIBCO001551

NIBCO INC.
ELKHART, IN 46515
(219) 295-3000
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INTEROFFICE MEMO



TO Glenn Pauley

FROM Brad Hahn

SUBJECT VALVE TECHNICAL
INFORMATION

DATE 6/10/86

Don Hamilton traveled with Dalt Sears recently and Don has relayed Dalt's confusion and uneasiness with the stem material we use in bronze valves.

In Dalt's view NIBCO slipped in the use of ASTM B-99 material without providing the field with adequate justification. Dalt does not have good reasons to give engineers when they ask why we show both B-99 alloy with 50,000/20,000 psi tensile/yield along with B-371 with 80,000/40,000.

If there is evidence or tests on why B-99 performs better, we did not relay it to our sales force. My recollection is that it has to do with dezincification but we owe a technical article to the field.

A technical article is also needed to recount our testing and evaluation of different materials that resulted in our choice for non-asbestos packing and gaskets. Cost was a consideration but we need to tell it like it is. Our salesmen are being asked to justify our decision and we have given them no help. Please do so.

/re
cc Phil Liles
Richard Runkles
AL Hejl

6/11/86

Richard —


Suggest we have Ralph establish tensile/yield strength since it changes due to the cold forming process. The 50,000/20,000 PSI is the raw material strength.

NIBCO INC.
ELKHART, IN 46515
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INTEROFFICE MEMO

TO Richard Runkles - E.S.

FROM Glenn Pauley 

SUBJECT VALVE TECHNICAL
INFORMATION
(BRAD HAHN'S LETTER 6-10-86)

DATE 6/13/86

Two subjects are mentioned in Brad's letter referenced above.

1. ASTM B-99 (UNS 65100) stems.
2. Material selection for non-asbestos gaskets and packaging used in iron and bronze pressure rated valves.

With regard to Item #1, a re-issue of technical bulletins released in 1980, 1981 and 1982 would seem to be satisfactory and is being explored.

With regard to Item #2, do you think we can develop a story to describe our selection process for non-asbestos products?

GP/jds

cc: Brad Hahn
Phil Liles
Richard Runkles - E.S.
Al Hejl - E.S.

6/14

Al, Jim W,
Mark C

Pls help
Glenn out
on this.

RRR

NIBCO INC.
500 SIMPSON AVENUE
P.O. BOX 1167
ELKHART, IN 46515
(219) 295-3000
TWX 810 294-2253



July 30, 1981

ASBESTOS PACKING

Dear Agents:

We would like to take this opportunity to explain to you as to why our asbestos packings are safe, practical and functional in NIBCO valves. There has been considerable amount of sensationalism about the use of asbestos in American industry, that asbestos is a health hazard and a time-bomb that causes cancer. Asbestos fibers occur naturally in nature. Asbestos only presents itself as a health problem if, and when, the asbestos fibers are allowed to be inhaled directly into the lungs. It has even been proven to cause no ill effect if consumed in the digestive system of humans in its free un-encapsulated state.

The asbestos used in NIBCO packings are not free to be inhaled. The asbestos fibers in packings and gaskets used in NIBCO valves are totally encapsulated either by graphite, rubber binders or by tetrafluoroethylene (T.F.E.). The total encapsulation of asbestos has proven safe and acceptable to O.S.H.A. and the E.P.A. You may offer NIBCO valves with confidence and without concern of allowing a system to be contaminated by asbestos fibers or causing health problems. Please call us if you have any further questions.

Best regards,

A handwritten signature in dark ink, appearing to read "Randall L. Hirsh".
Randall L. Hirsh

4.8.22

NIBCO001554

COPY

NIBCO INC.
ELKHART, IN 46515
(219) 295-3000
TWX 810 294-2253

INTEROFFICE MEMO



TO Glenn Pauley

FROM Brad Hahn

SUBJECT VALVE TECHNICAL
INFORMATION

DATE 6/10/86

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A technical article is also needed to recount our testing and evaluation of different materials that resulted in our choice for non-asbestos packing and gaskets. Cost was a consideration but we need to tell it like it is. Our salesmen are being asked to justify our decision and we have given them no help. Please do so.

/ke

cc Phil Liles
Richard Runkles
Al Hejl

CONCERN - GATE VALVES

TALK WITH RALPH - NEED TO KNOW STRENGTH
AFTER FINISHED / FORMED

NIBCO001555

COPY

INTEROFFICE MEMO

NIBCO INC.
ELKHART, IN 46515
(219) 295-3000
TWX 810 294-2253



TO : Ken Pletcher

FROM : Tony Beyer

SUBJECT STATUS OF ASBESTOS-
FREE PACKING TEST

DATE 9/13/85

At the request of Richard Runkles, the following information is provided to give a brief summary of our current position on finding asbestos-free substitutes for existing packing and gasket materials.

Concerning the iron valves in Blytheville, the status on these valves is that asbestos-free substitutes have been found for both packing and gasket materials.

The packing material which has been identified has been implemented into our current standard production. At this time we have only one suitable material supplied by one supplier. It should be our goal to develop a second compound from a second supplier for these iron valve packings.

The gasket materials for the iron valves have also been switched to an asbestos-free material. In the case of the gaskets, however, we have developed four (4) suitable substitutes from four (4) different vendors. Therefore, we have an adequate source of supply for this particular item.

In summary, we have developed, sourced and implemented asbestos-free packing and gasket materials into the iron valves produced at Blytheville.

The pressure-rated bronze valves at Texas were the next valves to be addressed. At the current time, cycle testing is continuing in the test lab. We have several different compounds of asbestos-free packing materials from two or more vendors. It is expected that testing and then evaluation of results will be completed by October 15, 1985.

The testing on this material has taken a considerable amount of time due to the fact that we are testing both with cold water and also steam cycling. Also, we have taken care to test both rising and non-rising stems to verify that the packing will be suitable for both applications.

A decision must be made concerning these pressure rated bronze valves. At this time the standard which governs the production of these valves is MSS-SP-80. This standard currently does not

NIBCO001556

allow any packing material other than an asbestos base material. Therefore, even when we do identify a suitable asbestos-free substitute, the standard which we publish in our catalog does not allow us to use an asbestos-free packing material. Therefore, a policy decision must be made concerning the change over to this asbestos-free material. If we choose to make the substitution to asbestos-free, it must be identified to our customers that we no longer meet the requirements of the specification.

Efforts have been underway for at least two years to change this specification. The group responsible for this specification has addressed the asbestos problem. However, the revision to the standard is being held up due to other parts of the specification which are in question. What all this means is that the standard society recognizes that they must change from requiring asbestos, however, the overall standard is being held from revision due to other questions concerning pressure vessel containing materials.

The plumbing valves in Augusta were next on our list. Due to the fact that only one packing is involved, the testing on this particular packing has been completed prior to the pressure rated as mentioned above. At this time we have identified one asbestos-free material suitable for the intended service of the plumbing valves. However, the cost of this compound is greater than the existing asbestos style packing. Therefore, we will continue to search for a more cost-effective asbestos-free packing material for plumbing valves.

The only remaining valve which contains an asbestos packing would be the 580 style ball valves. We have in our test lab samples of asbestos-free style packings. These tests have been awaiting the completion of both the plumbing valve and pressure rated valve packing tests. As testers become available, these tests will be started. It should be known, however, that we do have an alternative for asbestos-free packing for ball valves. We can supply either virgin TFE or glass reinforced TFE in our 580 ball valves upon request should there be a need for asbestos-free packing.

The above information summarizes our current position on asbestos materials in our valve products. Should you have any questions or require further information, please do not hesitate to contact me.

TB/dl

cc: Greg Lehman
Richard Runkles