Dick Pork - J. Russell / K. Franklin
For info.

ASBESTOS
R

XC sent to
RPF 7-18-79

Dick

DPA reports that Dr. Joyner is attending this symposium for Shell. I told Dave that neither you or I were attending but would appreciate feedback. DPA expects local paper will pick up on Selikoff's study.

Jerry 10-10-79

PLAINTIFF'S EXHIBIT
SH-725

6/27/79
RLB
~~DPA~~

June 26, 1979

MR. R. L. BRUNNER

Ron:

Baylor College of Medicine and the UT School of Public Health will co-sponsor a Symposium on Asbestos-Related Disease in Houston October 11-13, 1979. At this meeting, Dr. Selikoff will present papers on asbestos disease in Patterson, New Jersey, Tyler, Texas and chemical plant and refinery maintenance workers (exact titles and abstracts are not yet available). It is possible that he will be presenting data relative to chemical plant maintenance workers similar to that presented at a recent meeting in Israel (abstract of that presentation not available). Since Dr. Selikoff is not in the habit of presenting negative findings, it is possible that these papers may receive national attention.

R. E. Joyner

R. E. JOYNER, M. D.

LAM 016886

DPMC-10630

573-32-DPC (1-75)

SHELL OIL COMPANY SHELL CHEMICAL COMPANY
DEER PARK MANUFACTURING COMPLEX

DATE JUNE 7, 1979

TO DEER PARK MANUFACTURING COMPLEX - PURCHASING AND GENERAL SERVICES - MANAGER

FROM TECHNICAL MANAGER - INSPECTION - DEER PARK MANUFACTURING COMPLEX

SUBJECT ASBESTOS CONTAINING PRODUCTS

An engineering feasibility and replacement study is underway to identify substitute items for asbestos containing products used at DPMC (i.e. gaskets, packing, insulation, heat shield, etc.).

Since asbestos may be used in a variety of items, it is requested that Purchasing seek information from suppliers on the presence of asbestos in their product. The Inspection Department will evaluate these products and determine if personnel exposure is high enough to require alternatives. If required, we will seek alternatives together to assure the substitute will provide adequate service.

Please notify me if a discussion meeting is needed on this subject.

Dale E. Johnson

DEJ:mlp D. E. Johnson

cc - G. C. Anderson
D. O. Chrismer
R. P. Frutiger
W. H. Probst
J. D. Ransdell
Insp File
Insp Chron

LAM 016887

DPMC-10631

NOTE TO FILE

Garlock Seminar - Non-Asbestos Products - 6-5-79

Compression Packing

Packing 98 - claim that this packing can even replace mechanical seals - and provide equal environmental control

5200 Kevlar - can often replace asbestos packing

(a) is more porous than asbestos - if drips is a problem they recommend using 5200 on the bottom of the packing and the 98 on the outside to reduce leakage.

Graph-Lock - Valve packing graphite base which provides a stronger seal against leakage. Common technical problem is buildup of graphite particles on valve stem leading difficult opening and closing - corrected by putting in end rings of braided packing (such as Garlock 98).

Graph-Lock - Also has been formed into gasket materials and may replace types of asbestos gasket material. The cost prevents every changeover but for those problem situations, it is supposed to work when other gaskets fail.

Regulations - California - South Coast Air Board test emissions from valves and pumps - 10,000 ppm is maximum level effective in Southern California.

Rule 466.1 - South Coast Air Quality Management District in California

Gasketing - Various kinds of material available.

Gylon is recommended as a replacement for asbestos.

Gylon is a modified teflon to eliminate certain technical problems.

Gylon may also increase service life from other gaskets - also gaskets can be reused - hard to say how many times - perhaps an economic incentive.

Shell Attendees During Other Sessions: Stratton and Sonderegger from the Instrument Shop Marvin Ford, B. J. Steakley, Al Ekin, Kirby McKillip, O. J. Pomykal, J. W. Peters, E. A. Janquart, K. Z. Wright, Marvin Curtis, K. C. Stewart, J. L. Steller, Rick Allsup, Bob Johnson and Dale Johnson - not a complete list - Chemical side is well represented. Refinery side is not well represented (especially Maintenance North).

DPMC-10632

Textile Products

Thermo-Ceran Rope - Carl Rodgers has replaced asbestos rope on the top seal on acid tanks with this material. Material was dipped in aluminum silicate first.

IHF - Health Aspects of Fibrous Glass

Report on glass concludes that fibrous glass does not cause respiratory illness as does asbestos.

Letter re: Japanese Doctor's Report

Lok-Gard - a sealant has been applied to Thermosil to reduce the fugitive loss of glass fibers - customer request because of skin irritation complaints.

Woes of this material include radiant reflective heat shields, weld curtains, splash and splatter shield.

Thermosil with aluminum facing serves as a radiant heat shield.

JDR:gri
6-7-79

Asbestos

Method of identifying Asbestos Insulation
(Dispersion Staining)
(1) Good specificity
(2) Sensitivity – look at specific fibers
(3) microscopic technique –
Walter McCrone – McCrone Research Institute – training for this method – also training OSHA inspectors
McCrone – expert – reports that this method is reliable & should hold up in court

Record keeping –
lab results
sample storage
} initially we'll keep all records "indefinitely"

LAM 016890

Testing Procedures
Richard [illegible] will test insulation

Dale Johnson will discuss w/ engineering team [illegible] safety meetings
[illegible]

DPMC-10634

SM-32-DPC (1-75)

FILE - ASBESTOS

SHELL OIL COMPANY SHELL CHEMICAL COMPANY
DEER PARK MANUFACTURING COMPLEX

DATE JUNE 7, 1979

TO DEER PARK MANUFACTURING COMPLEX - PURCHASING AND GENERAL SERVICES - MANAGER

FROM TECHNICAL MANAGER - INSPECTION - DEER PARK MANUFACTURING COMPLEX

SUBJECT ASBESTOS CONTAINING PRODUCTS

An engineering feasibility and replacement study is underway to identify substitute items for asbestos containing products used at DPMC (i.e. gaskets, packing, insulation, heat shield, etc.).

Since asbestos may be used in a variety of items, it is requested that Purchasing seek information from suppliers on the presence of asbestos in their product. The Inspection Department will evaluate these products and determine if personnel exposure is high enough to require alternatives. If required, we will seek alternatives together to assure the substitute will provide adequate service.

Please notify me if a discussion meeting is needed on this subject.

Dale E. Johnson

DEJ:mlp D. E. Johnson

cc - G. C. Anderson
D. O. Chrismer
R. P. Frutiger
W. H. Probst
J. D. Ransdell
Insp File
Insp Chron

LAM 016891

DPMC-10635

FILE - ACU ASBESTOS

SM-32-SPC (1-75)

SHELL OIL COMPANY SHELL CHEMICAL COMPANY
DEER PARK MANUFACTURING COMPLEX

DATE MARCH 13, 1979

TO TECHNICAL SUPERINTENDENT
G. C. ANDERSON

FROM SUPERINTENDENT SAFETY & INDUSTRIAL HYGIENE - DEER PARK MFG. COMPLEX

SUBJECT ASBESTOS-CONTAINING GASKET AND PACKING MATERIALS

An engineering feasibility and replacement study is recommended to identify substitute products for asbestos-containing gasket and seal packing materials. Some employee exposure is associated with cutting these materials and with the removal of old gasket material. A substitution program is advantageous for the following reasons:

1. Reduces possible OSHA and EPA Asbestos requirements such as:

   a. medical examinations required for employees exposed to 0.1 fiber/cc (OSHA PEL is 2 fibers/cc, 8-hour time-weighted average)

   b. more expensive disposal requirements if these materials have to be handled as asbestos-containing

2. Is consistent with the objective of the general practices section of the Asbestos Safety Order

3. Reduces potential for asbestos exposure

The potential for replacement products is encouraging based on a recent meeting between Mr. Mike Guidry of Garlock and Industrial Hygiene. Mr. Guidry provided a catalogue of substitute materials and expressed an interest in providing technical assistance in a substitution program. Hopefully, Garlock's approach is indicative of what other manufacturers are doing. The Garlock catalogue is attached for your information.

R. P. Frutiger

JDR:ikg

Attachment

cc: M. T. Anderson
H. J. Bettencourt
R. G. Dillard
F. G. Reitz
R. J. Swofford

LAM 016892

DPMC-10636