

November 8, 1973

M.C.

President
American Academy of Occupational Medicine

PLAINTIFF'S
EXHIBIT
WV-11058

I would like to share my concern with you about a series of articles now appearing in the New Yorker magazine. These articles are entitled, "Annals of Industry - Casualties of the Workplace". The author is Paul Brodeur. My perception of Brodeur's purpose in writing this series of articles is that he desired that the reader conclude that any errors, delays, ineptness, which he could associate with the case of Pittsburgh-Corning in Tyler, Texas, are also associated, in general, with the field of occupational health in the United States. In order to achieve this purpose, which is not explicitly stated but rather skillfully implied, Brodeur stresses those contributions of the professionals which can be faulted or at least questioned. He has not provided a complete record of efforts in the case.

The articles take the position associated with the union involved, namely that "industrial workers are the victims of a conspiracy designed to suppress knowledge of occupational health hazards and to delay the passage and enforcement of laws to cope with them". The articles depict the Tyler Plant of Pittsburgh Corning Corporation, in the words of a union official, as the "epitome of what is wrong with the way our country was dealing with the problem of industrial disease". In my opinion, this position is supported only by stretching the truth and in some cases altering or omitting the record.

Corn Exh #64

12-2-83

Black & #2
arr 4/5/84

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The articles allege that the Tyler Plant from its beginning has grossly exceeded the asbestos dust standards in most all of its operations. On the basis of results of surveys of airborne dust in the Tyler Plant prior to 1969, this was not true. There was evidence that excessive dust exposures occurred only at selected plant sites and that these excursions in airborne concentrations of dust were not consistent. The same surveys suggested permissible exposures (as calculated by then existing standards) at most sampling sites. It was only in 1969 when the Walsh-Healey Standards changed the entire concept of the standard from 5 MPPCF in a sample collected by impinger to 12 fibers per cubic centimeter collected by filter that concentrations were deemed excessive throughout the plant. As you know, late in 1971 the asbestos dust standard was further lowered by the OSHA Temporary Emergency Standard for Asbestos to 5 ~~MPPCF~~ *fibers/cc*

The articles lead the reader to believe that the scientific world has known the biological response to all forms of asbestos since at least 1964. On the contrary, the effects of Amosite with respect to lung cancer and mesothelioma were not reported until September 1972. Amosite is the type of asbestos used in "Unibestos", Pittsburgh Corning Corporation's asbestos-containing thermal pipe insulation. The facts are that in 1965 a study reported on miners exposed to amosite in the Transvaal Region of South Africa, where the amosite used in Unibestos came from, showed no evidence of either lung cancer or mesothelioma being caused by exposure to amosite dust. This study suggested that amosite might be a safe

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type of asbestos that could be used in place of other asbestos that had been shown to be associated with malignancies. These facts may have had an influence in the greater demand for amosite that was experienced. Further facts are that it was in September, 1972, several months after Pittsburgh Corning Corporation had closed its Unibestos manufacturing operations that Selikoff published the first paper which suggested a relationship between amosite asbestos and malignancies. Selikoff states in this article that "there has been no evidence concerning whether the amosite variety is carcinogenic".

It is because of my concern as a Board Certified Specialist in Occupational Medicine, not because I happen to be one of the several targets of these articles, that I feel a peer review is essential in this case to determine whether or not the professionals involved and the actions taken by Pittsburgh Corning Corporation were in the best interest of workmen involved in the manufacturing process and also the workmen using Unibestos. Our profession is being libelously attacked in the articles and somehow the record should be set straight. I, therefore, invite the Academy to make an in-depth study into the Pittsburgh Corning Corporation's handling of the health aspects of Unibestos.

For the convenience of those who will conduct the review, I have provided an annotated time sequence analysis of Unibestos health considerations, which is a synopsis of recommendations made and actions taken. It is, of course, understood that my complete files

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are available for review again at the convenience of the reviewers. I have provided a written summary of the thinking that accompanied the recommendations and the actions. As you note from this record, Dr. Morton Corn, Professor of Industrial Health and Air Engineering at the Graduate School of Public Health, University of Pittsburgh, provided, at my request, industrial hygiene services to Pittsburgh Corning. Dr. Corn has agreed to cooperate fully with such a review either personally or by making his records available.

The Management of Pittsburgh Corning and myself are ready to assist in any way possible the Academy's review of this matter.

Very truly yours,

Lee B. Grant, M.D.
Medical Director

SJ 01462.172



PPG INDUSTRIES, INC./ONE GATEWAY CENTER/PITTSBURGH, PENNSYLVANIA 15222/AREA 412/434-3846

November 9, 1973

LEE E. GRANT, M.D.
Medical Director

Dr. Morton Corn
University of Pittsburgh
Graduate School of Public Health
Pittsburgh, Pennsylvania 15213

Dear Mort:

Attached is an annotated time sequence analysis and the copies of the annotated materials. Also attached is the summary of the thinking associated with recommendations and actions. I particularly would like your comments and suggested improvements on the summary.

Very truly yours,

A handwritten signature in dark ink, appearing to read 'Lee' or 'L.E.', written in a cursive style.

Lee E. Grant, M.D.
Medical Director

LEG:lc
attachments

Corn E+L #65
BW 12-2-83

Slack Cr #3
env. 4/3/84

SJ 01462.173

TIME SEQUENCE ANALYSIS OF THE HISTORIC HEALTH CONSIDERATIONS

DATE	PERSONNEL	DR. L. B. GRAFF	DR. H. A. CORN	ACCTG. DIST. STANDARD	INDUSTRIAL HYGIENE EVALUATION	HEALTH RECORD	TEXAS STATE CAPITAL	ALTHOUGH asbestos in many years. In England, in 1955 suggested an a etion of lung cancer w asbestos and Wagner, claimed a relationship, asbestos exposure & asbestos exposures were to mixed type asbestos.
2	Purchased Unibestos process from USARCO including Tyler Plant in operation since 1954. (asbestos containing thermal pipe insulation)			ACCTG. TIV 5 HPCF				
3	1. Bolt Unibestos plant at Port Arthur 2. Ask IHF to survey Tyler Plant			ACCTG. TIV 5 HPCF	Survey Tyler Plant - recommends controls to reduce dust in industry study			No Change.
4	Ask Dr. Grant about mesothelioma	Recommends Occupational Medical Consultant to P-C		ACCTG. TIV 5 HPCF				1. In the U.S. Bellhoff reported mesothelioma in the following trades: asbestos workers who were exposed to asbestos. Asbestos exposures were types of asbestos. 2. Gilson raised at least two questions. First, is the type of asbestos a significant factor in mesothelioma? In the 30 years of asbestos in the 30 years of asbestos, Mesothelioma, Mesothelioma, provide further evidence. 2. Studies done find mill workers associated with asbestos exposures mesothelioma.
5	Ask Dr. Grant to visit their plants	Visits P-C plants - recommends periodic industrial hygiene surveys and chest x-rays to be done by Board Certified Radiologist (1)		ACCTG. TIV 5 HPCF				No Change.
6	1. Ask Bestefan to survey Tyler plant. 2. Approves Dr. Grant's USPHS recommendation 3. Approves Dr. Grant's IHF recommendation	Recommends Tyler plant industrial hygiene survey by istefan. Recommends USPHS include Unibestos plants in industry study. 1. Recommends IHF do animal tubulation and		ACCTG. TIV 5 HPCF	Indicates 3-yr. animal study for P-C on vesicle-animal tubulation and			No Change.

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TIME SEQUENCE ANALYSIS OF THE INDUSTRIAL HEALTH CONSIDERATIONS

DATE	BY	FOR	REASON	INDUSTRIAL HEALTH CONSIDERATIONS	USPHS	TEXAS STATE CHEST HOSPITAL	INTERVIEW ON MATERNAL ASSOCIATION WITH ASBESTOS
1948	PITTSBURGH COALING	DR. L. B. GRANT	DR. H. N. CORN	ASBESTOS MUST BE REMOVED	USPHS	TEXAS STATE CHEST HOSPITAL	INTERVIEW ON MATERNAL ASSOCIATION WITH ASBESTOS
4	Approves Dr. Grant's recommendation for expanded medical examination of Tyler employees by Texas State Chest Hospital	4. Recommends expanded medical examination of Tyler employees by Texas State Chest Hospital				Prepares protocol for expanded medical examination for Tyler employees	

1949	1. Recommends deferring medical examinations by Texas State Chest Hospital on basis that USPHS may do same type of examination (9)	1. Advises Texas State Hospital of decision to defer medical examinations 2. Queries USPHS on status of medical portion of their study for P-C employees.	AGRICULTURE	Continues similar study	USPHS performs do medical examinations industrial from higher hygiene authorities. Tyler & Port Allegany as part of their asbestos industry study		None provided further evidence but pure asbestos exposure not involved.
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1950	1. Asks Dr. H. Corn to provide assistance recommended by Dr. Grant at Port Allegany plant.	1. Advises performs P-C of air industrial hygiene survey of USPHS (2) & assists in findings. Assigning of (4) 2. Recommends ventilation Dr. H. Corn controls at to assist in Pt. Allegany designing (3) ventilation controls for hazardous dust exposures at both Tyler & Pt. Allegany. 3. Queries USPHS on status of medical portion of their study for P-C employees	AGRICULTURE	Continues similar study	USPHS provides P-C with results of industrial hygiene survey		Kellogg, Asbestos, and Asbestos provides evidence but pure asbestos exposure not involved.
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THE SECRETARY OF THE CONFERENCE

LITERATURE ON MALIGNANT
ASTROCYTOMAS

Page 4

1990年12月10日

[illegible]

TEAS SYMB
1964-1965

村田

[illegible]

Abstract

22. Submitted the study for publication in an environmental health journal.

1944-1945

12 fibers/
cubic centi-
meter >
microns in
length


 文部科学省
 教育部

1. Briefing 1. Personnel
2. P-C on
associated
with men-
and design
of (10)
ventilation
controls at
Tyler,
thermal pipe
insulations. 2. Briefing
of P-C on
hered of (17)
either
insulation
of asbestos
duct
from Webster exposure.

THE

ing, relating to P-C on records associated with matter which were structure and use of (10) asbestos, containing the metal plates situated in the premises in which installation of asbestos of asbestos from Holston

CONFIDENTIAL

1. Advise Dr. H. K. Goss to provide assistance recommended by Dr. Grant as a matter of priority.
2. Advise WIA to perform study on asbestos-containing asbestos pipe in Millville.
3. Initiate RSD effort toward removing asbestos from Millville.

53 01462.176

TIME SCHEDULE ANALYSIS OF THE IMPROVEMENTS IN WITH CONSIDERATIONS

PITTSBURGH
CONCERN

DR. L. B. GRANT
CONCERN

ASBESTOS DUST
STANDARD

INDUSTRIAL MEDICAL
FOUNDATION

NIOSH
CHST HOSPITAL

UCLA

LITERATURE ON
ASBESTOS WITH P-C

1. Asks Dr. Grant to visit Tyler
2. Asks UCLA to perform study on Unibest, an asbestos-free thermal pipe insulation.
3. Installed Corn designed ventilation system at Port Allegany.
4. Asks Dr. M. Corn to evaluate new ventilation system at Ft. Allegany.
5. Initiates Unibest production at Ft. Allegany.
6. Requests variance from Walsh-Healey Asbestos Dust Standard.

1. Visits Tyler - recommends new ventilation system cc. controls, at Ft. medical (10) Allegheny examinations by Texas State Chest Hospital and health education of employees.
2. Recommends chest x-rays of employees suggests need for further follow-up.
3. Recommends identical testing of Unibest an asbestos-free thermal pipe insulation developed by P-C ASD.

OSHA Health Standard 12 fibers/cc.

NIOSH performs in' flak bystone survey at Tyler & Ft. Allegheny - (3) finds dust level above asbestos dust standard.

1. Reports on study indicating that none of materials tested (13) could be used without exceeding the asbestos dust standard.
2. Initiates study on Unibest for P-C.

1. Asks Texas State Chest Hospital to perform medical examinations of 100 employees
2. Asks Dr. Grant to perform employee education at Tyler and Ft. Allegheny.
3. Requests variance from OSHA Asbestos standard.

1. Recommends to NIOSH that Texas State Chest Hospital study of Tyler employees be coordinated with NIOSH study.
2. Performed health education of employees at P-C plants. (a)

OSHA Temporary Emergency (N) Standard for Asbestos 5 fibers/cc.

1. NIOSH advises they will do an industrial hygiene & medical study employees at Tyler & Ft. Allegheny.
2. NIOSH performs study.
3. NIOSH advises OSHA of the results of their findings.

1. Reports on Unibest study, (14) clear with respect to asbestos.
2. Presents findings of both studies at the International Symposium on Safety & Health in Shipbuilding and Repairing in Helsinki.
3. Submitted both studies for publication to an environmental health journal.

BU 01462.177

TYPE SEVERITY ANALYSIS OF THE INDUSTRIAL HEALTH CONSIDERATIONS

PITTSBURGH
11/15/72

DR. J. B.
GRATE

DR. M.
COHN

ADVISORY INST
5/1/1972

INDUSTRIAL HEALTH
FINDINGS

USPH
HOUSE

TEXAS STATE
CHIEF HOSPITAL

UCLA

LITERATURE ON MALIGNANCY
ASSOCIATED WITH ASBESTOS

4. Encouraged and supported UCLA trip to Helsinki to report their findings at an international meeting.
5. Made decision to stop the manufacture of Unibestos and not to manufacture the asbestos-free Unibest at this time.

3. Met with NIOSH to discuss misunderstanding that had developed (11) between Dr. and Dr. Johnson.

4. Met with Dr. Grant at his request.
5. At NIOSH's request, Texas State Health Department to investigate Tyler (13)

1. February, 1972, stopped manufacture of Unibestos.
2. Agreed to support follow-up studies recommended by Texas State Chief Hospital.

1. Reviewed final report of Texas State Hospital on Tyler employee with NIOSH and (12) OSHA - 7 employees had been diagnosed as early asbestriasis.
2. Reviewed final report of NIOSH medical study of Tyler employees which was biologically the same as above.

OSHA Permanent Standard for Asbestos 5 fibers/cc.

1. NIOSH met with Dr. Grant of Tyler employees and Texas State Medical examinations Chief Hospital to Tyler and OSHA.
2. Performed follow-up interview of medical counseling for employees with positive medical findings.
3. Provided employee's report of the results to employee's personal physician.
4. Recommended that he provide follow-up examinations of some employees.

NIOSH physician.
NOTE: The final NIOSH report on the Fort Allegany medical study has not been received as of November, 1973)

Altschell (September, 1972) reported amosite exposure caused malignancies.

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