

Insulation - Asbestos Survey

ETHYL CORPORATION

ENCLOSURE 4

INTER-OFFICE

To Mr. W./C. Strader

ADDRESS Baton Rouge

FROM W. E. Rinehart, Sc.D.

ADDRESS New Orleans

SUBJECT Asbestos Exposure Levels

DATE October 23, 1969

On August 20, 1969, air samples were taken relative to the use of asbestos-containing materials at the Baton Rouge plant. The samples were sent for evaluation to Mr. L. Schaefer, who is considered an expert in identification and counting of asbestos particles, at the Kettering Laboratories in Cincinnati, Ohio. ~~Sample sites, conditions and results~~ were as follows:-

Site and Condition	No. of asbestos fibers (mppcf*)
In shop of second floor alloy area at breathing zone during hand sawing of asbestos board	0.3
Near vibrating conveyor of second floor alloy area at breathing zone during hand sawing, slicing and fitting of pipe insulation	0.1
In shop of hydrocarbon area at breathing zone during band sawing of asbestos board (doors closed)	1.2
Outside shop of hydrocarbon area at breathing zone during ripping of asbestos board with rotary saw	4.2

*mppcf = million particles per cubic foot

ETH 000095

The value which is presently recommended by the American Conference of Governmental Industrial Hygienists (ACGIH) as a Threshold Limit Value for asbestos is 2 mppcf. This assumes repeated 8 hour workdays under relatively constant exposure conditions. It is true that certain of the operations (power saws) produce a great deal of dust, which very well may exceed "nuisance" levels. The important thing, however, is that our sampling technique (which is more severe than the human respiratory system) did not reveal amounts of asbestos dust (fibers) at the breathing zone which we would consider hazardous under the operating conditions we sampled. Were these conditions to change substantially, the conclusions might be different.

PLAINTIFF'S EXHIBIT

ETCO-671

Sheet #2 (continued)

Memo to: Mr. W. C. Strader - Baton Rouge

Re: Asbestos Exposure Levels

October 23, 1969

The results obtained for the power sawing operations were of the same order of magnitude as is the TIV and there is no question about the "nuisance level" of the total dustiness. Therefore, we strongly recommend continuance of wearing "Dust-Foe" type respirators as we observed.

Since excessive levels of asbestos during power saw operations were not found, I do not feel there is much likelihood of finding excessive levels in other locations (applying or removing insulation) and I do not feel at this time that further sampling is required.

WER

W. E. Rinehart, Sc.D.
Environmental Toxicologist

WER/af

cc: Dr. R.C.A. Bock ✓
~~Mr. Wallace Armstrong~~

ETH 000096

ENCLOSURE 5

Subject No. 17344
Film # 18143
33662 3/16/67

E. A. NICH
#2012

No. 2.

61 year old W M; insulator x 24 years; hospitalized and treated for active pulmonary tuberculosis in 1958, not on medication currently; no recent respiratory symptoms or absence for respiratory disorder. D. ATKINSON
#5174

No. 3.

56 year old W M; insulator x 24 years; pneumonia 1953; other diagnoses - chorioretinitis, lumbago, renal stone, RBBB per EKG; no recent respiratory symptoms or absence for respiratory disorder. (Discharge 4-30-69)

No. 4.

44 year old W M; insulator x 19 years; no significant illness
or symptoms referable to respiratory system.

No. 5.

47 year old W M; insulator x 25 years; no respiratory symptoms, or absence; other diagnoses - gastric ulcer, spasm of esophagus, plantar warts. *L, AGN/524*

No. 6.

64 year old W M; insulator x 26 years; pneumonia 1962; no subsequent respiratory symptoms; other diagnoses - minus 10° axis deviation per EKG, atrial flutter and fibrillation 1968, excision "growth" on vocal cords several years ago.
(Retired 3-1-70)

No. 7.

44 year old W M; insulator x 18 years; clinical diagnosis "pneumonitis" per private M.D. 1955 (no X-ray taken); no subsequent respiratory symptoms or absence; other diagnoses - "malaria" in 1957 per private M.D., "nervous condition" in 1958 per Ochsner's Clinic.

No. 8.

44 1/2 year old W M; insulator x 24 years; no respiratory symptoms or absence; other diagnoses - renal stones, polyarthritis of unspecified etiology. *S. BUTLER #1725*

No. 9.

44 year old W M; insulator x 22 years; no respiratory symptoms
or absence; no significant diagnoses.

No. 10

63 year old W M; insulator x 32 years; no respiratory symptoms
or absence; no significant diagnoses.

No. 11

46 year old W M; insulator x 20 years; no respiratory symptoms
or absence; other diagnosis - labyrinthitis.

No. 12

49 year old W M; insulator x 23 years; no respiratory symptoms
or absence; no significant diagnoses.

Subject No. 13 48 yr. WM; insulator 4 yr.; no dx or
TLC referable to respiratory system
Lucier 34593
101 4/11/68

No. 14 44 yr. WM; insulator 4 yr.; no dx or
TLC referable to respiratory system.
Risher 34477
3817 12/17/67

No. 15 27 yr. WM; insulator 3 yr.; no dx
or TLC referable to respiratory system
(Resigned 5-30-69)
Mun. Jr. 34339
408 10/2/67

insulators - films not
sent to Felsen ~~insulator~~
for interpretation - short
service as insulators - were sent to
Dr. Heiber JMM