

TEXACO U.S.A. HOLDINGS			
ENVIRONMENTAL AND HEALTH			
MAR 04 '82			
FJB	✓	CHM	
RCM		CH	
ERK	✓	DWM	
CWD		CFH	
MLM		DJS	✓
JFY		STENO	
FILE SUBJECT			

Houston, Texas
February 26, 1982

SAF-TN-EP&P

SAF STUDIES, SURVEYS & REPORTS
Texaco USA
Eagle Point Plant
Asbestos

PLAINTIFF'S EXHIBIT

TEX-101

Mr. R. J. Fischbach
Westville, New Jersey

Air sampling to document employee exposures to asbestos fibers was conducted at the Eagle Point Plant on October 5, 1981. The sampling was performed by Mr. J. E. Schlicht, Industrial Hygiene Technician, to evaluate employee exposures during the routine operation of the power house. The analysis results, as shown in the attached tables, indicate that employee exposures were well below any applicable standard.

The monitoring was conducted to characterize the exposure of the turbine operator. The results show that the calculated eight-hour time weighted average (TWA) for asbestos is 0.15 fibers per cubic centimeter (f/cc), based on a sampling period of 434 minutes. Although this exposure level is below the current OSHA permissible exposure limit (PEL) of 2.0 f/cc as a TWA for an eight-hour period, it exceeds 0.1 f/cc, an exposure level set by OSHA to determine whether an employee has actually been exposed to asbestos. If this level is exceeded, the employee is considered as having been exposed to asbestos; therefore, an annual physical examination, including x-ray and other tests specified in CFR 1910.1001, must be provided to this employee. OSHA standards also specify a maximal exposure limit of 10 asbestos f/cc which should not be exceeded at any time.

However, the turbine operator was not working with any known asbestos-containing materials during the sampling period. In addition, the substantial difference between the results of the two samples shows the inconsistency of the exposure levels obtained for the morning and afternoon periods. Therefore, it is recommended that further sampling be conducted to reevaluate the operator exposure to asbestos and determine the validity of the sampling results. Whether the operator should receive an annual physical examination will depend on the recommended additional sampling.

The samples were collected on membrane filters using a calibrated air sampling pump attached to the employee.

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Mr. R. J. Fischbach

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February 26, 1982

Subsequent analysis was performed by National Loss Control Service Corporation, an accredited industrial hygiene laboratory.

Should you have any questions, please contact this office at your convenience.

Signed: O. W. RIGDON

O. W. RIGDON

PTC/JES
ma: 2/11

~~FJB~~
RTR-JRS

WA-TEX 006416

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SAP - STUDIES, SURVEY AND REPORTS
 TEXACO USA
 EAGLE POINT PLANT
 ASBESTOS

TABLE I
 EAGLE POINT PLANT
 ASBESTOS
 10/05/81

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 REPORT DATE - FEB 26 1982

METHOD**

TIME WEIGHTED

 AVERAGE*

TOTAL

 TIME

DATE

 TEMP
 (F)

 TIME

 ANALYSIS

 RESULT*

DATE

TEMP

LOCATION

EMPLOYEE

EMPLOYEE

SSN

TITLE

TYPE

TYPE

8 HR-ZERO

F/CC

0.15

434

0.3400 F/CC

195

71

10/05/81

UTILITIES

OPERATOR TYPE

0140459321

6193000383

8 HR-ZERO

F/CC

0.15

434

0.0200 F/CC

239

71

10/05/81

UTILITIES

OPERATOR TYPE

0140459321

6193000384

* < = LESS THAN THE DETECTABLE LIMIT
 † = ROUNDED TO THE NEAREST HUNDREDTH
 R = BREAKTHROUGH
 # = THE TWA EXCEEDS THE STANDARD

** SAME = THE TWA WAS COMPUTED BASED ON ASSUMED SAME EXPOSURE DURING THE BALANCE OF THE UNSAMPLED SHIFT.
 ZERO = THE TWA WAS COMPUTED BASED ON NO SIGNIFICANT EXPOSURE DURING THE BALANCE OF THE UNSAMPLED SHIFT.