

TEXACO U.S.A. HOUSTON			
ENVIRONMENTAL AND HEALTH			
FEB 03 1982			
UJB		CHM	
RCM		FOH	
GRK		DWIA	
CWD		CFH	
MLM		P'S	
CV		SEAD	
FILE SUBJECT			

Houston, Texas
February 2, 1982

SAF STUDIES, SURVEYS & REPORTS
Texaco USA
I. H. Casper Plant
Asbestos

Mr. R. L. Masica
Casper, Wyoming

Air sampling to determine potential employee exposure to asbestos was conducted at the Casper Plant December 1, 1981, by D. J. Slack, Senior Industrial Hygienist for Texaco USA. Additional area samples were obtained in close proximity to the stripping operation. All samples indicate asbestos levels well below the current OSHA standard.

Samples were collected on cellulose ester fiber filters utilizing calibrated DuPont P-2500 personal sampling pumps. Subsequent analysis was performed by NATLSCO Environmental Sciences Laboratory, an accredited industrial hygiene facility. A bulk sample of the material removed in the stripping procedure was also analyzed. This analysis indicated that the insulation contained 5 to 10% amosite asbestos.

The current OSHA asbestos standard specifies an eight-hour time weighted average (TWA) of two (2) fibers per cubic centimeter (f/cc) and a ceiling limit of ten (10) f/cc.

Results are provided in the attached tables. All of these samples indicate asbestos levels well within the OSHA standard. The employee did wear approved respiratory protection and coveralls during the stripping operation. These practices control employee exposure during the stripping operation and reduce the potential for contamination.

If there are any questions or assistance is needed, please contact Mr. J. W. Nisbet of this office.

Signed: O. W. RIGDON

O. W. RIGDON

JWN:mhp
Attachments

UJB)
RTR-JRS) w/attachment

WA-TEX 006224

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SAF - STUDIES, SURVEY AND REPORTS
 TEXACO USA
 CASPER PLANT
 ASBESTOS

TABLE I
 CASPER PLANT
 ASBESTOS
 12/01/81

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SAMPLE NUMBER	EMPLOYEE SSN	EMPLOYEE TITLE	LOCATION	DATE	TEMP (F)	TIME ANALYSIS RESULT*	TOTAL TIME	TIME WEIGHTED AVERAGE*	METHOD**	
192X80355	0520301852	INSULATOR	CRUDE UNIT	12/01/81	25	479	0.1100 F/CC	479	0.11 F/CC	8 HR-SAME

* < = LESS THAN THE DETECTABLE LIMIT
 † = ROUNDED TO THE NEAREST HUNDREDTH
 B = 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.

WA-TEX 006225

TABLE II
CASPER PLANT
ASBESTOS
AREA SAMPLES
12/01/81

SAF - STUDIES, SURVEY AND REPORTS
TEXACO USA
CASPER PLANT
ASBESTOS

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SAMPLE NUMBER	DATE	LOCATION	WIND SPEED	TEMP (F)	TIME	ANALYSIS RESULT*	ADJUSTED CONCENTRATION*	METHOD**
192XB0353	12/01/81	CRU, PLATFORMER	> 20 MPH	25	477	< 0.0100 F/CC	477	< 0.01 F/CC 8 HR-SAME
192XB0354	12/01/81	CRUDE UNIT	> 20 MPH	25	481	< 0.0100 F/CC	481	< 0.01 F/CC 8 HR-SAME
192XB0356	12/01/81	UTILITIES	> 20 MPH	25	516	< 0.0100 F/CC	516	< 0.01 F/CC 8 HR-SAME

* < = LESS THAN THE DETECTABLE LIMIT
↑ = ROUNDED TO THE NEAREST HUNDREDTH
H = BREAKTHROUGH
= ADJUSTED CONCENTRATION EXCEEDS THE STANDARD

** SAME = THE ADJUSTED CONCENTRATION WAS COMPUTED BASED ON ASSUMED SAME EXPOSURE DURING THE BALANCE OF THE UNSAMPLED TIME.
ZERO = THE ADJUSTED CONCENTRATION WAS COMPUTED BASED ON NO SIGNIFICANT EXPOSURE DURING THE BALANCE OF THE UNSAMPLED TIME.

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