

00-0-243-037

Shell Oil Company



One Shell Plaza
P.O. Box 4320
Houston, Texas 77210

January 29, 1988

Mr. B. N. Rollins
Manager Employee Relations
Exploration & Services
Shell Offshore Inc.
P. O. Box 61933
New Orleans, LA 70161

PLAINTIFF'S EXHIBIT

SH-1433

Dear Mr. Rollins:

SUBJECT: REQUEST FOR SAFETY INSPECTION OF E&P TECHNICAL SERVICES
LABORATORY - (REF: SOC/SOI SERVICE AGREEMENT)

C. F. Phillips, Manager
Industrial Hygiene Services

CFP:lfw
Attachment

cc: Shell Offshore Inc.
C. F. Conrad
cc: Shell Oil Company
J. D. Ransdell
HS&E-AS (2) ✓

RECEIVED
INDUSTRIAL HYGIENE SERVICES
JAN 31 1988

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CAS8802901

ABS-007158



Shell Oil Company
Interoffice Memorandum

JUNE 30, 1987

FROM: L. D. HEUGATTER, SR. INDUSTRIAL HYGIENE ASSISTANT, HS&E/S&IH
TO: J. D. RANDELL, STAFF INDUSTRIAL HYGIENIST, HS&E/S&IH
SUBJECT: ASBESTOS SURVEY AT OLD HARVEY WAREHOUSE

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ASBESTOS SURVEY

On June 5, 1987 I conducted an asbestos survey at the Old Harvey Warehouse on First St., Harvey, La. The warehouse walls and roof are constructed of transite siding. Samples of drilling mud have been stored in cardboard boxes in the older section of the warehouse for up to 40 years, and are now covered with a layer of dust. There is seldom any activity in the old part of the warehouse. The survey was to determine whether the dust contained asbestos from deterioration of the transite siding.

The revised OSHA permissible exposure limit (PEL) for asbestos, effective January 16, 1987 is 0.2 fibers per cubic centimeter (f/cc) as an eight-hour time-weighted average (TWA) with a 0.1 f/cc action level.

One area air sample was taken in the oldest, dustiest part of the warehouse and one was taken in the less dusty part near where the truck is kept. During both one-hour samples, the dust near the sampling pumps was agitated three times by hand and blowing. Results are in Table 3. Both samples were well below the action level of 0.1 f/cc.

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Bulk samples of dust in the older and newer parts of the warehouse were analyzed for asbestos. No asbestos was detected in either of these dust samples.

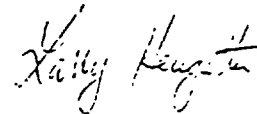
Bulk samples of scrapings from the transite siding inside and outside the warehouse were analyzed for asbestos. These samples were taken by gently scraping the siding with the back side of a knife blade, approximately like scratching with a fingernail. Scrapings from the outside walls yielded 80% chrysotile asbestos, while the inside walls indicated 20% chrysotile. A chip of transite siding indicated a composition of 30% chrysotile.

RECOMMENDATIONS

Air samples and bulk samples of dust indicate that the transite siding on Harvey Warehouse has not deteriorated to the point of releasing a significant amount of asbestos fibers into the air inside the building. The bulk samples taken by gently scraping the transite, however, indicate that asbestos fibers can be released with minimal mechanical action on the siding.

Since Harvey Warehouse is a low activity area and there is little chance of physical action on the siding, we do not recommend encapsulation or replacement of the transite. If any work such as drilling, sawing or breaking of the transite occurs, asbestos procedures should be employed. We recommend a periodic resurvey of this location for continued documentation of asbestos levels.

Two employees mentioned that dust may be generated when boxes are moved in the old part of the warehouse. Disposable dust masks could be made available as needed to control nuisance dust.



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TABLE 3

ASBESTOS RESULTS
OLD HARVEY WAREHOUSE

<u>SAMPLE NUMBER</u>	<u>DATE</u>	<u>SAMPLE LENGTH (MINS)</u>	<u>RESULT</u>	<u>NOTES</u>
HVY870605-11	6-5-87	60	0.02 f/cc	A
HVY870605-12	6-5-87	60	<0.01 f/cc	A
HVY870605-13	6-5-87	N/A	<1.0% (N.D.)	B
HVY870605-14	6-5-87	N/A	<1.0% (N.D.)	B
HVY870605-15	6-5-87	N/A	80%	C
HVY870605-16	6-5-87	N/A	20%	D
HVY870605-17	6-5-87	N/A	30%	E

NOTES

- A - AREA AIR SAMPLES INSIDE WAREHOUSE. DUST WAS AGITATED THREE TIMES BY HAND AND BLOWING. NIOSH 7400A ANALYSIS METHOD.
- B - BULK SAMPLES OF DUST INSIDE WAREHOUSE. EPA-600/M4-020-82 ANALYSIS METHOD.
- C - BULK SAMPLE OF TRANSITE SCRAPINGS FROM OUTSIDE WAREHOUSE. METHOD SAME AS B.
- D - BULK SAMPLE OF TRANSITE SCRAPINGS FROM INSIDE WAREHOUSE. METHOD SAME AS B.
- E - BULK SAMPLE OF TRANSITE CHIP. METHOD SAME AS B.

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