

Draft
Health & Safety Management, Inc.
ECB Satellite file
Safety • Industrial Hygiene • Fire

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June 15, 1988

PLAINTIFF'S EXHIBIT

SH-2823

Proler International Corp.
7501 Wallisville Road
Houston, Texas 77001

Attn: Mr. Mike Mitchum

Dear Mr. Mitchum.

The enclosed report is a draft of the results of bulk sampling at Shell Oil in Deer Park, Texas to determine the presence of asbestos in the areas to be demolished by Proler International Corp.

Asbestos insulation in the "G" areas, which are to be demolished, has been abated and there is some evidence of encapsulation. There is, however, some equipment in the demolition areas which has not had the asbestos insulation removed.

Eight random bulk samples were taken in the G-200 area on June 15, 1988. Five of these samples contained chrysotile and/or amosite asbestos, ranging from 1% to 40%. It would be difficult to certify some of this material as hazard free for transportation unless it were transported in a sealed container.

The data sheets, laboratory results, conclusions and recommendations should provide a basis for planning of activities and the safest procedure to follow.

Please advise if we may assist in other capacities.

Yours truly,

Elvis J. Wren Jr.

Elvis J. Wren Jr., OHST, CSM
Manager of Safety

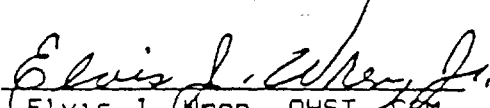
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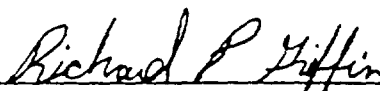
Proter International Corp.
7501 Wallisville Road
Houston, Texas 77001

Unit Demolition at
Shell Oil Company
Deer Park, Texas
G-Areas
June 15, 1988

Report Prepared By


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Approved By:


Richard P. Griffin, CIH, CSP
President

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Frolier International Corp.
7501 Wallisville Road
Houston, Texas 77001

Unit Demolition at
Shell Oil Company
Deer Park, Texas
G-200 Area
June 15, 1988

Purpose:

Document the presence and type of asbestos found in the areas that are to be demolished by Frolier International Corporation.

Summary of Results:

Analysis of bulk samples collected during the preliminary testing reveals that asbestos is present in the demolition site. There is evidence that some encapsulant was used. There also is some equipment from which the asbestos insulation has not been removed.

Asbestos was found in five of the eight random bulk samples that were taken in the G-200 area on June 15, 1988. Asbestos was also found on the paving between the roadway and the D.D. unit.

Conclusions:

There is positive evidence of asbestos contamination in the G-200 area. There is insulation adhering to flange nuts, in crevices and on lines. It would be difficult to certify some of this material as hazard free for handling and transportation.

Recommendations:

Continue to sample equipment that is suspected of asbestos contamination.

Follow prescribed OSHA abatement procedures on equipment that has not had the asbestos insulation removed.

Continue to follow OSHA regulations pertaining to asbestos, the burning of lead primed steel and the disposal of contaminated clothing.

Observations:

The work areas were barricaded, all employees were wearing the proper protective equipment and prescribed work practices were being followed.

Methodology:

Each sample was analyzed for asbestos as outlined in the analysis report of Chemtex Environmental Laboratory of Fort Arthur, Texas.

Froher International Corp.
7501 Wallisville Road
Houston, Texas 77001

Scrap Removal at
Shell Oil Company
Deer Park, Texas
G-200 Area
June 15, 1988

Summary of Data

Bulk Samples

<u>Date</u>	<u>Sample#</u>	<u>Location</u>	<u>Type Asb</u>	<u>Result</u>
6/15/88	040071HSM	Paving by roadway S/ D.D. unit	Amosite	1% to 2%
6/15/88	040072HSM	G-200 Spool @ 2nd. level S/ K-701	Chrysotile	35% to 40%
6/15/88	040073HSM	G-200 Pipe stantion O/head W/ K-724		0%
6/15/88	040074HSM	G-200 4" line O/head N/ K-724	Chrysotile Amosite	10% to 15% 3% to 5%
6/15/88	040075HSM	G-200 Approx. 12" line E/W N/ K-724		0%
6/15/88	040076HSM	G-200 16" Powell gate valve W/ K-701	Chrysotile	20% to 25%
6/15/88	040077HSM	G-200 Cont. rm. ceiling patch W/ K-701		0%
6/15/88	040078HSM	G-200 valve N/ E-725	Chrysotile	25% to 30%
4/28/88	040041HSM	G-500 sm vessel	Amosite	1% to 2%

Denver

photo study
etc

<u>Thru Reporting</u>	<u>Results (Sec)</u>	<u>Sampling (min)</u>	
NR-12	2.99 (7.18)	3.6 min	
NR-13	1.19 (1.30)	120	0.3
NR-14	1.62 (1.77)	120	0.0

Manturing

# 11	1.51 (2.01)	20	
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Wilmington

W-694-5	1.66 (1.66)	30	
W-695-6	2.18 (2.40)	30	
W-696-7	2.15 (2.80)	30	

Garrison

2-GC-0A	1.98 (2.27)	16	
3-GC-0A	3.54 (3.54)	15	

Navas plant

Ncp 123	1.76 (3.24)	35	
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Houston plant

Hcp-12	(2.24)(2.24)	10	
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Denver

Den - 1	2.07 (2.17)	45	
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Frederick

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EARLY WRR ASBESTOS SAMPLES

Clamp

<u>Sample</u>	<u>Results</u>	<u>peak</u>	<u>Time (min)</u>	
RJ 12	1.35	1.64	20	
RJ 20	1.43	1.43	22	
RJ-21	1.36	1.36	22	
KD-16	3.38	<u>4.53</u>	20	0.14

Repeat (cont)

HK-02	2.21	2.55	15	
RJ-01	2.27	2.62	15	

Repeat (cont)

RJ 23	1.36	1.36	25	
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Replotment

1.50	1.50	19	
1.24	1.24	37	
1.18	1.18	79	

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