

Allan S. Hunt



Gerald D. Hines Interests

4040 One Shell Plaza

Houston, Texas 77002

Area Code 713, 225-0565

May 10, 1984

PLAINTIFF'S EXHIBIT

SH-2793

Mr. Frank Bartram
Administrative Services -
Manager Office Facilities
Shell Oil Company
901 One Shell Plaza
Houston, Texas 77002

Dear Frank,

Accredited Industrial Hygienists has completed their air monitoring tests and bulk sample analysis of fireproofing material in One Shell Plaza and Two Shell Plaza. Copies of the test results and a summary of proposed OSHA asbestos regulations are enclosed.

Judging from these test results, it seems evident that the average office worker's exposure to airborne fibers, including asbestos, are well below EPA acceptable levels. In fact, the levels for samples taken outside the Building are higher than those taken inside.

I hope that these test results satisfy your requirements. Please don't hesitate to call if I can be of further assistance.

Respectfully,

Charles Elder

Charles Elder
Property Manager
One Shell Plaza

/nm
Encls.

ABS-011754

LAM 031811

Accredited Industrial Hygienists

P.O. Box 18556 • Houston, Texas 77223-8556

Jones Lang
Management Office, Entex Building
1201 Louisiana, Suite 302
Houston, Texas 77002
Attn: Mr. Lyn Grunze

REPORT OF BULK ASBESTOS ANALYSIS

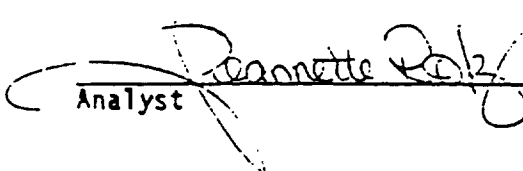
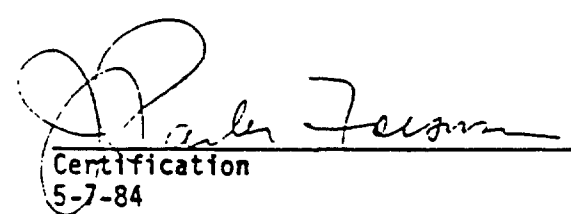
Received: 4-19-84
Coded: 00399
Marked: Three bulk samples to be analyzed for asbestos from Entex Building

<u>Sample</u>	<u>% of Asbestos</u>	<u>Type of Fiber</u>
I-Beam Insulation	1-5%	Chrysotile Asbestos
Pipe	N.D.	Fiberglass
Duct	N.D.	Fiberglass

N. D. - None Detected

Note: Bulk samples are considered to contain asbestos only if 1% or more asbestos is present.

Method: Polarized light microscopy, EPA tentative method.


Analyst
Certification
5-7-84

ABS-011755

LAM 031812

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CONFIDENTIAL

Gerald D. Hines Interests
4040 One Shell Plaza
Houston, Texas 77002
Attn: Mr. Charles Elder

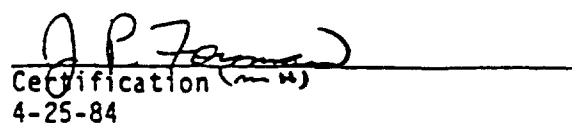
REPORT OF BULK ASBESTOS ANALYSIS

Received: 4-9-84
Coded: 00395
Marked: Eight bulk samples to be analyzed for asbestos

<u>Sample</u>	<u>Asbestos %</u>	<u>Type</u>	<u>Major Components</u>
23rd Fl Hallway (T.S.P.)	5-10%	Chrysotile	--
25th Fl Control Plt (T.S.P.)	5-10%	Chrysotile	--
26th Fl Ofc Space (T.S.P.)	1-5 %	Chrysotile	--
#1 Level 1 (O.S.P.)	5-10%	Chrysotile	--
#2 Lobby (O.S.P.)	10-15%	Chrysotile	--
#3 Level 29 (O.S.P.)	10-15%	Chrysotile	--
#4 Level 43 (O.S.P.)	10-15%	Chrysotile	--
#5 Std. Ceiling tile (O.S.P.)	0	--	Glass wool, cellulose, and calcium carbonate

Method: Polarized light microscopy, EPA tentative method


Analyst


Certification
4-25-84

ABS-011756

LAM 031813

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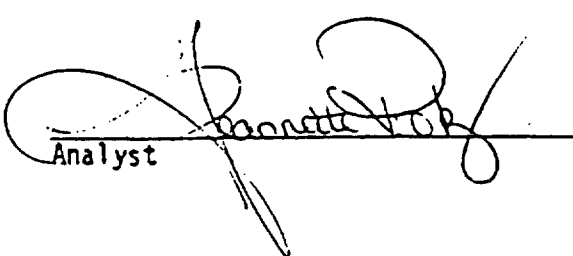
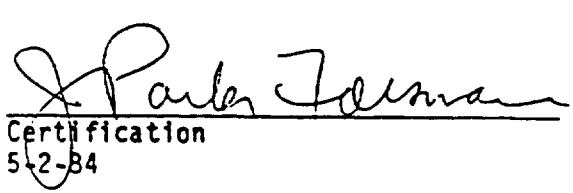
P.O. Box 18556 • Houston, Texas 77223-8556

Gerald D. Hines Interests
2245 Two Shell Plaza
Houston, Texas 77002
Attn: Mr. Morgan Hill

ASBESTOS SURVEY

Conducted: 4-28-84
Coded: 00402
Subject: Air monitoring for airborne asbestos at Two Shell Plaza,
area testing

<u>Sample Location</u>	<u>Fibers/cc</u>
Room 1102D	0.02
Room 1530	0.01
Room 1708	0.04
Room 2109	0.04
Room 2245	0.03
Room 2386	0.02
Room 2405	0.02
Room 13106	0.01
Outside (near plant shop)	0.02
Outside (Walker St)	0.04


Analyst
Certification
5-2-84

ABS-011757

LAM 031814

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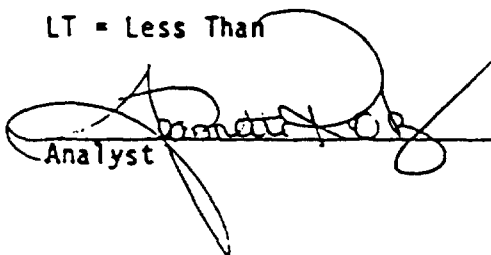
Gerald D. Hines Interests
4040 One Shell Plaza
Houston, Texas 77002
Attn: Mr. Charles Elder

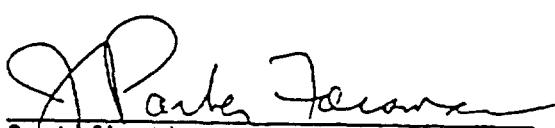
ASBESTOS SURVEY

Conducted: 4-28-84
Coded: 00403
Subject: Air monitoring for airborne asbestos at One Shell Plaza,
area testing

<u>Sample Location</u>	<u>Fibers/cc</u>
Room 563	LT 0.01
Room 1828	LT 0.01
Room 2152	0.02 - plenum
Room 2188	0.01
Room 4040	LT 0.01
Room 4401	LT 0.01
Room 4801	0.01 - plenum
Room 4872	0.05
Outside (Louisiana St)	0.03
Outside (Smith St)	-0.06

LT = Less Than


Analyst


Certification
5-2-84

ABS-011758

LAM 031815

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PROPOSED OSHA ASBESTOS REGULATIONS (As of April 10, 1984)

<u>Limit</u>	<u>Fibers per cc</u>	<u>Comments</u>	<u>Reference</u>
Ceiling	2 or 3	No employee may be exposed at concentrations above ceiling at any time.	29 CFR 1910.1001 (b) (3)
PEL (Permissible Exposure Limit) 8 hr shift	0.2 or 0.5*	No employee may be exposed to average concentrations above this concentration. Semiannual personal monitoring is required; A training program is required for concentrations over 0.2 or 0.5, even if respirators are used.	29 CFR 1910.1001 (b) (4), (k)
"Action Level"	0.2	Employees subject to concentrations 0.2 or greater would be considered "exposed." Annual medicals, including chest x-rays, are required.	49 FR 14123.

* OSHA is considering whether PEL should be 0.2 or 0.5 Fibers per cc.

PROPOSED RESPIRATOR REQUIREMENTS (29 CFR 1910.1001 (k) (Table 1))

<u>Airborne Concentration, Fibers/cc</u>	<u>Required Respirator</u>
Up to 2 or 5	Reusable or single use
Up to 20 or 50	Full facepiece, or powered, air purifying
Greater than 20 or 50	Type "C" (supplied air)

ABS-011759

LAM 031816