

**Natural and Applied Sciences**

Environmental Consulting Services

PLAINTIFF'S EXHIBIT

SWB-12

4 August 1995

Ms. LaVerne Baldwin  
Manager, Health/Safety Services  
Southwestern Bell  
One Bell Plaza  
Room 0930.05  
P.O. Box 655521  
Dallas, Texas 75265-5521

*201 Cumberland Drive  
Austin*

Re: Investigation of Emergency Generator Room in Hickory Building in Austin, Texas,  
NAS Project #95056

Dear Ms. Baldwin:

On August 3, 1995, NAS collected 10 (ten) samples of Thermal System Insulation Material from the Emergency Generator room located in the basement of the Hickory building, at 201 Cumberland Road in Austin, Texas. The following information is included in this report:

- Analytical results of samples collected contained on the PLM analysis worksheet.
- NAS Bulk Sample Sheet providing sample numbers, type, classification, location and description of materials sampled.
- A floor plan of the basement level of the Hickory Building.
- A drawing of the piping system of the emergency generator detailing sample location.

Of the 10 (ten) samples collected only one was found to contain asbestos. Sample number 2, collected from a pipe wrapped in a canvas material and painted blue, contained 25% asbestos. There is another pipe that is assumed to contain the same material. Both pipes are wrapped in the same material and painted the same color. They emerge from either side of the generator and arch above it where they connect to a non-insulated junction about 3 (three) feet above the generator. Each pipe is about 4 (four) feet in length and 6 (six) inches in diameter as insulated.

9015 MOUNTAIN RIDGE DRIVE  
95056-81100 AN ENVIRONMENTAL PROBLEM SOLVING COMPANY  
HOUSTON BLDG. SUITE 210 AUSTIN, TEXAS 78759 (512) 338-5300 (800) 926-9242



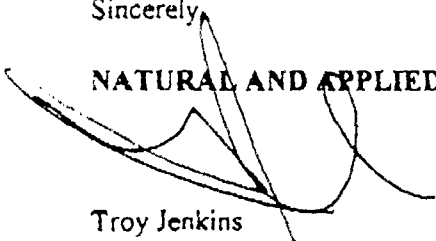
Other TSI materials associated with the generator were sampled extensively and were found to contain no asbestos.

If you have any questions or need additional information, please don't hesitate to call.

Thank you.

Sincerely,

**NATURAL AND APPLIED SCIENCES**



Troy Jenkins  
Project Manager

TJ/tkp  
Enclosure

95056-8i.100

### PLM Analysis Worksheet

①

Client: Natural And Applied Sciences

Logged: 8/4/95

TAT: 8 Hour

Address: 9015 Mountain Ridge  
Austin, TX 78759

Date/Time Due: 8/4/95

1:00 PM

Fax: (512) 338 - 4333

Special Handling

Billing Number

Project: 95056 - HCK

TX9586

Appearance		Treatment	Asbestos Results	Fibrous	Non-Fibrous
1 Brown	8 Vanous	1 Homogeneous	1 Chrysotile	1 Calcic	1 Quartz
2 Gray	9 Black	2 Heterogeneous	2 Amphibole	2 Oliv	2 Misc
3 Tan	10 Silver	3 Other	3 Amphibole	3 Mls, Wool	3 Gypsum
4 White	11 Blue	4 Layers (#)	4 Tremolite	4 Synthetic	4 Cal Carbonate
5 Red	12 Orange		5 Actinolite	5 Other	5 Magnet
			6 Crocidolite	6 Wollastonite	6 Perlite
			7 None Detected	7 Misc	7 Other

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous		Non-Fibrous		Layers
					Type	%	Type	%	
95056 - HCK-01		2	1	0	2	95	7	5	
95056 - HCK-02		2	1	1-25%	1	20	7	55	
95056 - HCK-03		2	1	0	2	30	3	25	
95056 HCK-04		4	1	0	1	15	3	68	
95056 HCK-05		4	1	0	2	3	3	62	
95056 HCK-06		4	1	0	2	3	3	55	
95056 HCK-07		2	1	0	1	30	3	30	
95056 HCK-08		2	1	0	2	5	7	35	

Analyst: Charles Martell Date: 8/4/95 Computer: \_\_\_\_\_ Date: \_\_\_\_\_

### PLM Analysis Worksheet

2

Client: Natural And Applied Sciences  
 Address: 9015 Mountain Ridge  
 Austin, TX 78759

Logged: 8/4/95  
 Date/Time Due: 8/4/95 1:00 PM

TAT: 8 Hour

Fax: (512) 338 - 4333

Special Handling

Billing Number  
 TX9586

Project: 95056 - HCK

Appearance			Treatment		Asbestos Results		Fibrous		Non-Fibrous	
1 Brown	4 Yellow	7 Fibrous	1 Homogeneous	1 Tossed	1 Chrysotile	1 Cellulose	1 Quartz			
2 Gray	5 Black	8 Non-Fibrous	2 Heterogeneous	2 Crushed	2 Amphibole	2 Glass	2 Silica			
3 Tan	6 Silver	9 Other	3 Other	3 Dissolved	3 Anthophyllite	3 Min. Wood	3 Opsum			
4 White	7 Blue		4 Layers (H)	4 Aired	4 Tremolite	4 Synthetic	4 Cal Carbonate			
5 Red	8 Orange				5 Actinolite	5 Other	5 Matrix			
					6 Crocidolite	6 Wollastonite	6 Perlite			
					0 None Detected	7 Hair	7 Other			

Sample	Location	Appearance	Treatment	% ASBESTOS	Fibrous		Non-Fibrous		# Layers
					Type	%	Type	%	
95056-HCK-09	A	2	1	0	1	95	7	5	
B	A	2	1	0	2	15	3	60	
		1	1	0	1	3	7	22	
95056 HCK-10	A	2	1	0	1	85	7	15	
B	A	2	1	0	1	25	3	50	
		1	1	0			7	25	

Analyses by: Martell Date: 8/4/95 Computer: \_\_\_\_\_ Date: \_\_\_\_\_  
 DEC 29 '97 12:21



2342 Fabens - P.O. Box 59902  
 Dallas, Texas 75229 214/247-7576 Fax 214/484-5804

PCM REPORT

NVLAP Lab No. 101091  
 AIHA PAT ID No. 10581  
 TDH License No. 30-0026

Client : Southwestern Bell Telephone Company Request No : 124546  
 Project : 2010 Ave R, Lubbock Report Date : 9/22/97  
 Project No. : Not Provided Sample Date : 9/17/97  
 Identification : Asbestos, Air Filter Analysis  
 Test Method : Phase Contrast Microscopy (PCM)  
 NIOSH Method 7400 Page 1 of 1

On 9/19/97, eight (8) air filter samples were submitted by Rebecca Pederson of Southwestern Bell Telephone Company for analysis by PCM. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized b


Client No.	Lab No.	Sample Description / Location	Fiber Concentration (f/cc)
01091797	7-17387	First Floor Ductway	<0.002
02091797	7-17388	Second Floor Mechanical Room	0.004
03091797	7-17389	Basement Chiller	<0.001
04091797	7-17390	Basement Boiler	<0.002
05091797	7-17391	Basement Mechanical Room	<0.001
06091797	7-17392	Basement Fan Room	<0.002
BLANK	7-17393	Blank	7.0 f/mm <sup>2</sup>
BLANK	7-17394	Blank	3.8 f/mm <sup>2</sup>

Results indicate the concentration of all fibers. The PCM method cannot positively identify asbestos fibers. Results may not be reproduced except in full. This test report relates only to the samples tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government.

Analyst : Heidi Foltz

Laboratory Director : Qing Huang

Approved Signatory : \_\_\_\_\_

		PCM REPORT	
TECHNOLOGIES INC 2342 Fabens - P.O. Box 59902 Dallas, Texas 75229 214/247-7576 Fax 214/484-5804		NVLAP Lab No. 101091 AIHA PAT ID No. 10581 TDH License No. 30-0026	
Client :	Southwestern Bell Telephone Company	Request No. :	124547
Project :	1405 Main, Lubbock	Report Date :	9/23/97
Project No. :	Not Provided	Sample Date :	9/16/97
Identification :	Asbestos, Air Filter Analysis		
Test Method :	Phase Contrast Microscopy (PCM) NIOSH Method 7400		
Page 1 of 1			
On 9/19/97, eleven (11) air filter samples were submitted by Rebecca Pederson of Southwestern Bell Telephone Company for analysis by PCM. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized by			
Client No.	Lab No.	Sample Description / Location	Fiber Concentration (f/cc)
01091697	7-17395	Basement Mechanical Room	<0.001
02091697	7-17396	Basement Boiler Room, Porter Building	<0.002
03091697	7-17397	Basement Air Handler, Porter Building	<0.003
04091697	7-17398	Basement Power Room, Porter Building	<0.001
05091697	7-17399	Basement Mechanical Room, Porter Building	<0.001
06091697	7-17400	Basement Mechanical Room, Sherwood Building	<0.002
07091697	7-17401	Basement Boiler Room, Sherwood Building	<0.002
08091697	7-17402	Second Floor Air Handler	<0.001
09091697	7-17403	Third Floor Fan Room	<0.001
10091697	7-17404	Blank	1.9 f/mm <sup>2</sup>
11091697	7-17405	Blank	6.4 f/mm <sup>2</sup>
Results indicate the concentration of all fibers. The PCM method cannot positively identify asbestos fibers. Results may not be reproduced except in full. This test report relates only to the samples tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government.			
Analyst :	Heidi Foltz		
Laboratory Director :	Qing Huang	Approved Signatory :	_____

**MAXIM**

TECHNOLOGIES INC

2342 Fabens - P.O. Box 59902

Dallas, Texas 75229 214/247-7576 Fax 214/484-5804

## PCM REPORT

NVLAP Lab No. 101091

ADHA PAT ID No. 10581

TDH License No. 30-0026

Client : Southwestern Bell Telephone Company

Request No. : 124477

Project : 500 Texas, El Paso

Report Date : 8/28/97

Project No. : Not Provided

Sample Date : 8/21/97

Identification : Asbestos, Air Filter Analysis

Test Method : Phase Contrast Microscopy (PCM)

NIOSH Method 7400

Page 1 of 2

On 8/27/97, fourteen (14) air filter samples were submitted by Elida Barfield of Southwestern Bell Telephone Company for analysis by PCM. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Client No.	Lab No.	Sample Description / Location	Fiber Concentration (f/cc)
01082197	7-16791	B1, Basement	Not Analyzed
02082197	7-16792	B28A	Not Analyzed
03082197	7-16793	B28	<0.001
04082197	7-16794	B12, Chiller 102/101	<0.001
05082197	7-16795	L54, AHU 0409/0410	<0.001
06082197	7-16796	L86, Chiller 1/Chiller 2	<0.001
07082197	7-16797	L87, Air Handler	<0.001
08082197	7-16798	B18, Pipe Fitting Insulation	<0.001
09082197	7-16799	Room 306, Air Handler	<0.002
10082197	7-16800	Room 349, Air Handler	<0.001
11082197	7-16801	Room 507, Air Handler	<0.001
12082197	7-16802	Room 137, Spanish Bureau	<0.002
13082197	7-16803	Blank	1.9 f/mm <sup>2</sup>
14082197	7-16804	Blank	9.6 f/mm <sup>2</sup>

**MAXIM**

**TEM REPORT**

Technologies Inc.  
 2342 Fabens-P.O.Box 59902  
 Dallas, Texas 75229  
 Tel. 972/247-7576 Fax 972/484-5804

NVLAP LAB NO. 101091  
 AIHA PAT ID NO. 10581  
 TDH LICENSE NO. 30-00

Client: Southwestern Bell Telephone  
 Project: 500 Texas, El Paso  
 Identification: Asbestos, Air Filter Analysis  
 Test Method: Transmission Electron Microscopy/X-Ray Analysis (TEM/EDX)

Request No.: 124393  
 Report Date: 9/16/97

On 9/2/97, one 25 mm air cassette was requested by Elida Barfield for TEM Analysis  
 Copy of the Lab data sheet is attached; The results are summarized below

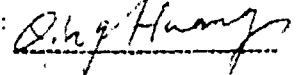
Redistribution data: Dilution Factor: 4/3  
 Filter Area: 254 cm<sup>2</sup>  
 Filter: 25 mm / 0.22um

Client No.	Lab No.	Sample Description/Location	Sample Volume (Liters)	Area Analysis (mm <sup>2</sup> )	Total Asbestos Structures	Detection Limit (s/cc)	Asbestos Concentration (s/cc)	Asbestos (S/mm <sup>2</sup> )
01082197	7-16791	B1, Basement	1107	0.069	0	<0.004	<0.004	<12.45
02082197	7-16792	B28A	1866	0.039	0	<0.005	<0.005	<22.6

Results may not be reproduced except in full. This test report relates only to the sample tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government.

Analyst: John Ninh

Laboratory Director: Qing Huang

Approved Signatory: 



TECHNOLOGIES INC  
 2342 Fabens - P.O. Box 59902  
 Dallas, Texas 75229 214/247-7576 Fax 214/484-5804

PLM REPORT

NVLAP Lab No. 101091  
 AIHA PAT ID No. 10581  
 TDH License No. 30-0026

Client : Southwestern Bell Telephone Company Request No. : 120256  
 Project : SWB 5240 U.S. 290 W Austin Report Date : 1/15/96  
 Project # : 0514600ASB P.O. Number Not Provided Sample Date : 1/10/96

Identification Asbestos, Bulk Sample Analysis

Test Method : Polarized Light Microscopy / Dispersion Staining (PLM/DS)  
 EPA Method 600/R-93/116

Page 1 of 2

On 1/10/96, ten (10) bulk material samples were submitted by Rebecca Pederson of Southwestern Bell Telephone Company for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below.

Client No.	Lab No.	Sample Description / Location	Asbestos Content
01010996	6 00358	Bulk Sample	None Detected
02010996	6 00359	Bulk Sample	None Detected-Cotton Wrap 8% Chrysotile-Thermal Insulation
03010996	6 00360	Bulk Sample	None Detected-Cotton Wrap 15% Amosite-Thermal Insulation 5% Chrysotile-Thermal Insulation
04010996	6 00361	Bulk Sample	None Detected-Cotton Wrap 65% Chrysotile-Thermal Insulation 15% Amosite-Thermal Insulation 5% Chrysotile-Thermal Insulation
05010996	6 00362	Bulk Sample	None Detected-Cotton Wrap 65% Chrysotile-Thermal Insulation 15% Amosite-Thermal Insulation 5% Chrysotile-Thermal Insulation
06010996	6 00363	Bulk Sample	None Detected-Cotton Wrap 10% Chrysotile-Thermal Insulation
07010996	6 00364	Bulk Sample	None Detected
08010996	6 00365	Bulk Sample	None Detected-Cotton Wrap 65% Chrysotile-Thermal Insulation 15% Amosite-Thermal Insulation 5% Chrysotile-Thermal Insulation
09010996	6 00366	Bulk Sample	None Detected-Cotton Wrap 10% Chrysotile-Thermal Insulation



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 Dallas, Texas 75229 214/247-7576 Fax 214/484-5804

PLM REPORT

NVLAP Lab No. 101091  
 AIHA PAT ID No. 10581  
 TDH License No. 30-0026

Client : Southwestern Bell Telephone Company Request No. : 120256  
 Project : SWB Report Date : 1/15/96  
 Project # : 0514600ASB P.O. Number Not Provided Sample Date : 1/10/96  
 Identification Asbestos, Bulk Sample Analysis  
 Test Method : Polarized Light Microscopy / Dispersion Staining (PLM/DS)  
 EPA Method 600/R-93/116 Page 2 of 2

On 1/10/96, ten (10) bulk material samples were submitted by Rebecca Pederson of Southwestern Bell Telephone Company for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below.

Client No.	Lab No.	Sample Description / Location	Asbestos Content
10010996	6 00367	Bulk Sample	None Detected-Cotton Wrap 15% Amosite-Thermal Insulation 5% Chrysotile-Thermal Insulation

Percentages estimated visually during microscopic examination. These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. These asbestos contents should be considered when establishing policy regarding these bulk materials. Results may not be reproduced except in full. This test report relates only to the samples tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government.

Analyst : Troy Maris

Lab Director Jennifer D. Jaber

Approved Signatory :

Southwestern Bell Telephone

SW 3301

Potential Asbestos Condition

To: Manager Safety & Health  
Rebecca Pederson  
One Bell Plaza, Room 910  
Dallas, Texas  
214-464-274

From: Manager Removal Operations  
Myra Stokes  
100 Ezell  
DeSoto, Texas  
214-844-8817

Central Office:

Address: 307 SW 3rd Street, Seminole, Texas 76360  
Engineer: Richard Wray, One Bell Pz., Room 1640, Dallas, Tx. 214-464-1112  
Date Contacted by Engineer: Spic received 12/8/95  
Potential Asbestos Condition: Thermal system insulation on diesel engine exhaust  
Equipment Removal date: Last week of March 1996  
Accounting Information:  
RCC: SN0124448 LG: XP4848 AC: 377X KCO, Est. Auth.: 0808203  
Access Information: Joe Alcalá 915-884-2523

*Bubba McWilliams*  
915-758-3604

Testing:

Date Sampled: 2/15/96 Inspector State License Number: 467115173I

Test Results: (Resamps needed by 2/15/96)

Is asbestos present? Yes  Equipment cannot be removed until asbestos is abated  
No  No further action is required

Analytical Methods Used: PLM  TEM  License number of Lab: \_\_\_\_\_

Attach a copy of the lab results and return to the Manager-Removal Operations

Date Returned to MRO: \_\_\_\_\_  
By: Rebecca Pederson  
Manager Safety & Health

Abatement Start Date (if required): 3/22/96 Completion Date: 3/25/96

Comments:

Date: 1/8/96 Myra Stokes  
Manager-Removal Operations

TOTAL P. 81



2342 Fabens - P.O. Box 59902  
 Dallas, Texas 75229 214/247-7576 Fax 214/484-5804

PLM REPORT

NVLAP Lab No. 101091  
 AIHA PAT ID No. 10581  
 TDI License No. 30-0026

Client: Southwestern Bell Telephone Company Request No.: 120531  
 Project: Seminole C.O. Report Date: 2/19/96  
 Project #: 0514600ASB P.O. Number: Not Provided Sample Date: 2/16/96

Identification: Asbestos, Bulk Sample Analysis

Test Method: Polarized Light Microscopy / Dispersion Staining (PLM/DS)  
 EPA Method 600/R-93/116

Page 1 of 1

On 2/16/96, thirteen (13) bulk material samples were submitted by Rebecca Pederson of Southwestern Bell Telephone Company for asbestos analysis by PLM/DS. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized to

Client No.	Lab No.	Sample Description / Location	Asbestos Content
01021596	6 02156	Bulk Material	None Detected
02021596	6 02157	Bulk Material	None Detected
03021596	6 02158	Bulk Material	None Detected
04021596	6 02159	Bulk Material	None Detected
05021596	6 02160	Bulk Material	None Detected
06021596	6 02161	Bulk Material	None Detected
07021596	6 02162	Bulk Material	None Detected
08021596	6 02163	Bulk Material	None Detected
09021596	6 02164	Bulk Material	None Detected
10021596	6 02165	Bulk Material	None Detected
11021596	6 02166	Bulk Material	None Detected
12021596	6 02167	Bulk Material	None Detected
13021596	6 02168	Bulk Material	None Detected

Percentages estimated visually during microscopic examination. These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. These asbestos contents should be considered when establishing policy regarding these bulk materials. Results may not be reproduced except in full. This test report relates only to the samples tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government.

Analyst: Dwayne Morin, Jr.

Lab Director: Jennifer D. Jaber

Approved Signatory: \_\_\_\_\_



2342 Fabens - P.O. Box 59902  
 Dallas, Texas 75229 214/247-7576 Fax 214/484-5804

PCM REPORT

NVLAP Lab No. 101091  
 AIHA PAT ID No. 10581  
 TDH License No. 30-0026

Client : Southwestern Bell Telephone Company  
 Project : 1240 Park Place, Hurst TX  
 Project No. : Not Provided  
 Identification : Asbestos, Air Filter Analysis  
 Test Method : Phase Contrast Microscopy (PCM)  
 NIOSH Method 7400

Request No. : 124618  
 Report Date : 10/13/97  
 Sample Date : 10/8/97

Page 1 of 1

On 10/9/97, six (6) air filter samples were submitted by Rebecca Pederson of Southwestern Bell Telephone Company for analysis by PCM. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized b

Client No.	Lab No.	Sample Description / Location	Fiber Concentration (f/cc)
01100897	7-17870	Air Sample	<0.002
02100897	7-17871	Air Sample	<0.002
03100897	7-17872	Air Sample	0.002
04100897	7-17873	Air Sample	0.005
BLANK	7-17874	Blank	1.3 f/mm <sup>2</sup>
BLANK	7-17875	Blank	2.5 f/mm <sup>2</sup>

Results indicate the concentration of all fibers. The PCM method cannot positively identify asbestos fibers. Results may not be reproduced except in full. This test report relates only to the samples tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government.

Analyst : Chris Kaseta

Laboratory Director : Qing Huang

Approved Signatory : \_\_\_\_\_



TECHNOLOGIES INC

2342 Fabens - P.O. Box 59902

Dallas, Texas 75229 214/247-7576 Fax 214/484-5804

PCM REPORT

NVLAP Lab No. 101091  
 AHA PAT ID No. 10581  
 TDI License No. 30-0026

Client : Southwestern Bell Telephone Company

Request No. : 124667

Project : 400 W.South, Arlington

Report Date : 10/30/97

Project No. : Not Provided

Sample Date : 10/15/97

Identification : Asbestos, Air Filter Analysis

Test Method : Phase Contrast Microscopy (PCM)

NIOSH Method 7400

Page 1 of 1

On 10/24/97, six (6) air filter samples were submitted by Rebecca Pederson of Southwestern Bell Telephone Company for analysis by PCM. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Client No.	Lab No.	Sample Description / Location	Fiber Concentration (f/cc)
01101597	7-18260	Basement Mech.	<0.002
02101597	7-18261	First Floor Mech.	0.002
03101597	7-18262	Second Floor Mech.	0.005
04101597	7-18263	Third Floor Mech.	0.002
FIELD BLANK	7-18264	Blank	0.0 f/mm <sup>2</sup>
FIELD BLANK	7-18265	Blank	3.8 f/mm <sup>2</sup>

Results indicate the concentration of all fibers. The PCM method cannot positively identify asbestos fibers. Results may not be reproduced except in full. This test report relates only to the samples tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government.

Analyst : Heidi Foltz

Laboratory Director : Qing Huang

Approved Signatory :



Client: Southwestern Bell Telephone  
 One Bell Plaza  
 Room 3050  
 Dallas, Texas 75202-4214

Project No.: 41-2532-97

Project: 307 N. Kentucky, McKinney, Texas

Date: December 1, 1997

Sample Date: November 12, 1997

Identification: Air Samples

Test Method: NIOSH 7400 Method - Phase Contrast Microscopy

On November 18, 1997 HBC Engineering, Inc. received seven (7) air samples from Ms. Elida Barfield, CSP of Southwestern Bell Telephone for analysis. The results for the samples analyzed are as follows:

Sample No.	Sample Description/Location	Sample Volume (liters)	Fibers/cc
01111297	Second floor, lounge, window	1050	<0.005
02111297	Second floor, operator, manager area	1075	<0.005
03111297	Second floor, C. O., equipment room	1050	<0.005
04111297	Second floor, janitor's closet	1050	<0.005
05111297	First floor, mechanical room	1050	<0.005
06111297	Blank	-	1.0Fibs./100Flds.
07111297	Blank	-	1.0Fibs./100Flds.

TDH Laboratory I.D. 30-0131

PAT I.D. 16603

Analyst Signature: 

# Huntingdon

Huntingdon Engineering &amp; Environmental, Inc.

P.O. Box 224227 • 2575 Lane Star Drive

Dallas, Texas 75212

Telephone: (214) 831-2700

FAX: (214) 920-1891

Report of: Air Monitoring

Report Date: February 2, 1995

Report to: Southwestern Bell  
 Attention: Rebecca Pederson  
 One Bell Plaza, Room 910  
 Dallas, TX 75202

Date Received: January 17, 1995

Report Number: 9501122

3801

Identification: Dawn Avenue - Odessa

<u>SAMPLE NO.</u>	<u>LOCATION</u>	<u>VOLUME(L)</u>	<u>FIBERS PER CC</u>
01011295	AC Room	1077	<0.005
02011295	Boiler Room	1212	<0.004
#05	Field blank		1.0/100 fids.
#06	Field blank		1.0/100 fids.

Analysis performed by Phase Contrast Microscopy in accordance with NIOSH Method 7400. SwL Dallas is rated proficient by the NIOSH Proficiency Analytical Test (PAT) Program, Laboratory I.D. No. 75212-001.

## HUNTINGDON ENGINEERING & ENVIRONMENTAL, INC.

Analyst: Gregory B. Mays  
 Gregory Mays  
 Industrial Hygiene Technician :kz

Tom Barnes  
 Tom Barnes  
 Environmental and Analytical Services

Our letters and reports are for the exclusive use of the client to whom they are addressed. The letters and reports shall not be reproduced except in full without the approval of the testing laboratory. The use of our name must receive our prior written approval.

# Huntingdon

Huntingdon Engineering &amp; Environmental, Inc.

P.O. Box 224227 • 2575 Lone Star Drive

Dallas, Texas 75212

Telephone: (214) 831-2700

FAX: (214) 920-1891

Report of: Air Monitoring  
 Report to: Southwestern Bell  
 Attention: Rebecca Pederson  
 One Bell Plaza, Room 910  
 Dallas, TX 75202

Report Date: February 2, 1995  
 Date Received: January 17, 1995  
 Report Number: 9501123

Identification: Laforce Drive, Terminal Tx

<u>SAMPLE NO.</u>	<u>LOCATION</u>	<u>VOLUME(L)</u>	<u>FIBERS PER CC</u>
04011195	Boiler Room	1207	<0.004
05011195	Mechanical Rooms	1595	<0.003
#03	Field blank		1.5/100 flds.
#04	Field blank		1.0/100 flds.

Analysis performed by Phase Contrast Microscopy in accordance with NIOSH Method 7400. SwL Dallas is rated proficient by the NIOSH Proficiency Analytical Test (PAT) Program, Laboratory I.D. No. 75212-001.

## HUNTINGDON ENGINEERING & ENVIRONMENTAL, INC.

Analyst: Gregory Mays  
 Gregory Mays  
 Industrial Hygiene Technician :kz

Tom Barnes  
 Tom Barnes  
 Environmental and Analytical Services

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2342 Fabens - P.O. Box 59902  
 Dallas, Texas 75229 214/247-7576 Fax 214/484-5804

PCM REPORT

NVLAP Lab No. 101091  
 AIHA PAT ID No. 10581  
 TDH License No. 30-0026

Client : Southwestern Bell Request No. : 124390  
 Project : 1448 Conner Report Date : 8/28/97  
 Project No. : SBT02 Sample Date : Not Provided  
 Identification : Asbestos, Air Filter Analysis  
 Test Method : Phase Contrast Microscopy (PCM)  
 NIOSH Method 7400

On 8/19/97, nine (9) air filter samples were submitted by Gloria Clark of Maxim Technologies, Inc. for analysis by PCM. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:

Client No.	Lab No.	Sample Description / Location	Fiber Concentration (f/cc)
06073197	7-16108	Basement, Mechanical Room	<0.001
07073197	7-16109	Basement, Emergency Engine	<0.002
08073197	7-16110	Blank	2.5 f/mm <sup>3</sup>
09073197	7-16111	Blank	2.5 f/mm <sup>3</sup>
01073197	7-16112	First Floor, Staging Area, Nortel	<0.003
02073197	7-16113	First Floor, Mechanical Room	0.003
03073197	7-16114	Second Floor, Lounge	<0.002
04073197	7-16115	Second Floor, Mechanical Room	<0.002
05073197	7-16116	First Floor, Operator Room	0.003

Results indicate the concentration of all fibers. The PCM method cannot positively identify asbestos fibers. Results may not be reproduced except in field. This test report relates only to the samples tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government.

Analyst : Heidi Foltz

Laboratory Director : Qing Huang

Approved Signatory :



Client: Southwestern Bell Telephone  
 One Bell Plaza  
 Room 3050  
 Dallas, Texas 75202-4214

Project No.: 41-2533-97

Project: 1130 Beachview, Dallas, Texas

Date: December 1, 1997

Sample Date: November 13, 1997

Identification: Air Samples

Test Method: NIOSH 7400 Method - Phase Contrast Microscopy

On November 18, 1997 HBC Engineering, Inc. received five (5) air samples from Ms. Elida Barfield, CSP of Southwestern Bell Telephone for analysis. The results for the samples analyzed are as follows:

Sample No.	Sample Description/Location	Sample Volume (liters)	Fibers/cc
01111397	Basement chiller	1079.4	<0.005
02111397	Basement boiler	1054.2	<0.005
03111397	Second floor lounge	1054.2	0.010
04111397	Blank	-	4.0Fibs./100Flds.
05111397	Blank	-	4.0Fibs./100Flds.

TDH Laboratory I.D. 30-0131

PAT I.D. 16603

Analyst Signature: 



Client: Southwestern Bell Telephone  
 One Bell Plaza  
 Room 3050  
 Dallas, Texas 75202-4214

Project No.: 41-2531-97

Project: 1255 Tavaros, Dallas, Texas

Date: December 1, 1997

Sample Date: November 13, 1997

Identification: Air Samples

Test Method: NIOSH 7400 Method - Phase Contrast Microscopy


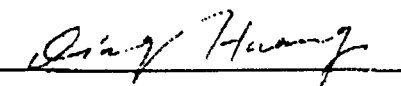
On November 18, 1997 HBC Engineering, Inc. received ten (10) air samples from Ms. Elida Barfield, CSP of Southwestern Bell Telephone for analysis. The results for the samples analyzed are as follows:

Sample No.	Sample Description/Location	Sample Volume (liters)	Fibers/cc
01111397	Fifth floor, fan room	1100.4	<0.004
02111397	Fourth floor, men's restroom	1075	<0.005
03111397	Third floor, fan room, room 315	1058.4	<0.005
04111397	Second floor, fan room, room 231	1050	<0.005
05111397	First fan room	1029	<0.005
06111397	Basement fan room B18B	1083.6	<0.005
07111397	Power Room	1044.9	<0.005
08111397	Basement fan room, B14	1050	<0.005
09111397	Blank	-	2.0Fibs./100Flds.
10111397	Blank	-	2.0Fibs./100Flds.

TDH Laboratory I.D. 30-0131

PAT I.D. 16603

Analyst Signature: 

 <p><b>MAXIM</b> TECHNOLOGIES INC 2342 Fabens - P.O. Box 59902 Dallas, Texas 75229 214/247-7576 Fax 214/484-5804</p>		<p><b>PCM REPORT</b></p>		<p>NVLAP Lab No. 101091 ATTA PAT ID No. 10581 TDH License No. 30-0026</p>
<p>Client : Southwestern Bell Telephone Company</p>		<p>Request No. : 124668</p>		
<p>Project : 1500 Preston Forest, Dallas</p>		<p>Report Date : 10/30/97</p>		
<p>Project No. : Not Provided</p>		<p>Sample Date : 10/16/97</p>		
<p>Identification : Asbestos, Air Filter Analysis</p>				
<p>Test Method : Phase Contrast Microscopy (PCM) NIOSH Method 7400</p>				
<p>Page 1 of 1</p>				
<p>On 10/24/97, five (5) air filter samples were submitted by Rebecca Pederson of Southwestern Bell Telephone Company for analysis by PCM. Copies of the lab data sheets are attached; additional information may be found therein. The results are summarized below:</p>				
Client No.	Lab No.	Sample Description / Location	Fiber Concentration (f/cc)	
01101697	7-18266	Second Floor Air Handler	<0.002	
02101697	7-18267	Basement Mech. Room	<0.001	
03101697	7-18268	Basement Boiler Room	<0.002	
FIELD BLANK	7-18269	Blank	2.5 f/mm <sup>2</sup>	
FIELD BLANK	7-18270	Blank	2.5 f/mm <sup>2</sup>	
<p>Results indicate the concentration of all fibers. The PCM method cannot positively identify asbestos fibers. Results may not be reproduced except in full. This test report relates only to the samples tested. These test results do not imply endorsement by NVLAP or any agency of the U.S. Government.</p>				
<p>Analyst : Heidi Foltz</p>		<p>Approved Signatory : </p>		
<p>Laboratory Director : Qing Huang</p>				

# Huntingdon

Huntingdon Engineering &amp; Environmental, Inc.

P.O. Box 224227 • 2575 Lone Star Drive

Dallas, Texas 75212

Telephone: (214) 831-2700

FAX: (214) 920-1891

Report of: Air Monitoring

Report Date: February 2, 1995

Report to: Southwestern Bell  
 Attention: Rebecca Pederson  
 One Bell Plaza, Room 910  
 Dallas, TX 75202

Date Received: January 17, 1995

Report Number: 9501121

Identification: <sup>305</sup> Midland Drive, Midland

<u>SAMPLE NO.</u>	<u>LOCATION</u>	<u>VOLUME(L)</u>	<u>DIERS PER CC</u>
01011195	Mechanical Room	1662	<0.003
02011195	Boiler Room	853	<0.006
03011195	Jan Room	1308	<0.004
#01	Field blank		1.0/100 fids.
#02	Field blank		0.5/100 fids.

Analysis performed by Phase Contrast Microscopy in accordance with NIOSH Method 7400. SwL Dallas is rated proficient by the NIOSH Proficiency Analytical Test (PAT) Program, Laboratory I.D. No. 75212-001.

## HUNTINGDON ENGINEERING & ENVIRONMENTAL, INC.

Analyst: Gregory B. Mays  
 Gregory Mays  
 Industrial Hygiene Technician :kz

Tom Barnes  
 Tom Barnes  
 Environmental and Analytical Services

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**Industrial Compliance**

10025 W. Technology Blvd., Suite 147 Dallas, TX 75220 214/352-9400 FAX 214/352-3200

April 19, 1995

Ms. Josey Guerra  
Asbestos Control Center  
Southwestern Bell Telephone Company  
308 South Akard, Suite 1800  
Dallas, Texas 75202

**Re: ACM Survey Interpretation**

Dear Ms. Guerra:

On April 18, 1995, IC collected four samples of suspect asbestos-containing materials (ACM) from the 231 C.O. "Adams 5" Building, located at 200 East Tyler in Richardson, Texas. Two samples were collected from pipe fitting insulation leading to AHU #0405 in the first floor mechanical room, one sample was collected from the pipe fitting insulation leading to AHU #0410 in the third floor mechanical room, and one sample was collected from the chilled water fitting insulation, feeding the chiller in the basement mechanical room #2. The laboratory analytical report indicated that none of the samples tested positive for regulated amounts of ACM.

If you have questions or need additional information, do not hesitate to contact me at (214) 352-9400.

Sincerely,

**INDUSTRIAL COMPLIANCE**

**Russ A. Gout**  
Field Operations Manager

Denver • Phoenix • Kansas City • Dallas • Houston • Los Angeles • Sacramento • Little Rock • Knoxville

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**Industrial Compliance**

10025 W Technology Blvd., Suite 147 Dallas, TX 75220 214/352-9400 FAX 214/352-3200

**SOUTHWESTERN BELL TELEPHONE COMPANY**  
**308 SOUTH AKARD**  
**3 BELL PLAZA, SUITE 1800**  
**DALLAS, TEXAS 75202**

PLM BULK ASBESTOS ANALYSIS (NVLAP LAB # 1162)

4/18/95

**PROJECT: 231 C.O. "ADAMS 5" BLDG.**  
**200 E. TYLER**  
**RICHARDSON, TEXAS**

<u>SAMPLE #</u> <u>/LAB</u>	<u>LOCATION OF</u> <u>SAMPLE/TYPE OF</u> <u>MATERIAL SAMPLED</u>	<u>LAYER(%)</u>	<u>NON-FIBROUS</u> <u>MATERIAL (%)</u>	<u>NON-ASBESTOS</u> <u>FIBROUS</u> <u>MATERIAL (%)</u>	<u>ASBESTOS</u> <u>TYPE (%)</u>
1 95-22958	1ST FLOOR, MECH. RM. AHU #0405 PIPE FITTING INSULATION (WHITE/FRIABLE)	A 100	BINDER/ PARTIC. 55	CELL. 3 WOLLAST. 2 MIN. WOOL 40	NONE DET. 0 <hr/> TOTAL 0
2 95-22958	1ST FLOOR, MECH. RM. AHU #0405 PIPE FITTING INSULATION (WHITE/FRIABLE)	A 100	BINDER/ PARTIC. 50	MIN. WOOL 45 WOLLAST. 5	NONE DET. 0 <hr/> TOTAL 0
3 95-22958	3RD FLOOR, MECH. RM. AHU #0410 PIPE FITTING INSULATION (WHITE/FRIABLE)	A 100	BINDER/ PARTIC. 50	MIN. WOOL 45 WOLLAST. 5	NONE DET. 0 <hr/> TOTAL 0
4 95-22958	BASEMENT, MECH. RM. #2 CHILLED WATER FITTING INSULATION, FEEDING CHILLER (WHITE/FRIABLE)	A 100	BINDER/ PARTIC. 50	MIN. WOOL 45 CELL. 5	NONE DET. 0 <hr/> TOTAL 0

[PERCENTAGES OF ASBESTOS, WHEN PRESENT IN A SAMPLE, ARE VISUAL ESTIMATES BY VOLUME; QUANTITATION IS ACHIEVED BY UTILIZING A STEREOBINOCULAR MICROSCOPE. SEE THE ATTACHED INDUSTRIAL COMPLIANCE (IC) STATEMENT ENTITLED BULK SAMPLE ANALYSIS: ASBESTOS FOR IMPORTANT INFORMATION ON POINT COUNTING FOR REGULATED ASBESTOS-CONTAINING MATERIALS CONTAINING LESS THAN 1% ASBESTOS.]

ANALYST: Bakh Dargali  
 BAKH DARGALI

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