ASBESTOS BUILDING SURVEY

Prepared by:

ESESIS and
NORTH AMERICAN ANALYTICAL LABS Inc.

Of

Welding Shop
3410 Taft Boulevard
Wichita Falls, TX 76308

Prepared for:

MIDWESTERN STATE UNIVERSITY

CAMPUS WIDE
ASBESTOS CONTAINING MATERIALS INSPECTION
Project Number: ACM 2000-01

ESESIS

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ASBESTOS BUILDING SURVEY

of

Welding shop/ McCullough Annex

3410 Taft Boulevard
Wichita Falls, TX 76308

Building Number: 0021

Completed for

Midwestern State University

Report Date:
June 07, 2000

Report Number:
200035006

CONSULTANT: _____
Denny E. Walker TDH License #10-5023

CONSULTANT: _____
Charles Thorn TDH License #10-5047

INSPECTOR: _____
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INSPECTOR: _____
Tom Gill TDH License #60-1835

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EVALUATION

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
SUMMARY EVALUATION

PAST SITE HISTORY/CONSTRUCTION

Records provided by MSU show this building to be 2,250 square feet in size. Original construction was completed in 1949 and an addition was completed in 1970. This is a one story building. The exterior of the building is typical construction for MSU properties, clay brick. It also has a pitched roof with asphalt shingles.

The interior finishes consists of painted walls, tiled floors and drop ceiling tile grids.

ASBESTOS CONTAINING MATERIAL SUMMARY

(The square and linear footages are approximations.)

This asbestos survey was conducted using the basic guidelines of the Asbestos Hazard Emergency Response Act (AHERA), except for the number of samples collected for each homogeneous area/material. The amount of samples were collected is consistent with the Texas Department of Health regulations. Samples were assigned a unique identifying number, placed in sealed containers and sent to the laboratory for analysis.

Thirty three (33) samples were collected and analyzed in this survey. The samples were analyzed for asbestos content using polarized light microscopy (PLM) in accordance with the Environmental Protection Agency's "Interim method for the Determination of Asbestos in Bulk Insulation Samples" (EPA 600/M4-82-020, December, 1982).

The percentages of asbestos, where applicable, were determined by microscopic visual examination based on volume. Analyses were performed by Crisp Analytical Laboratories , LLC. And Quest MicroAnalytics, Inc. both of these labs are accredited by the National Voluntary Laboratory Accreditation Program (NVLAP). Both labs used are also licensed by the Texas Department of Health.

Asbestos containing building materials (ACBM) are assessed as being friable or non-friable. Friable materials can be pulverized into dust by hand pressure and have a higher potential for fiber release than non-friable ACM. Each type of material is also assigned a hazard rank based upon the level of damage currently apparent in the material and that, due to external factors, is likely to be damaged in the future. The hazard rank may range from 1, indicating little problem, to 7, which can indicate a serious health risk.
*

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.

SUMMARY EVALUATION

Miscellaneous Material

Floor Tile **1** - **26** - **Friable** Hazard Rank: 3

Homog. Area Description:	9"x9" Sq. floor tile, brown with mastic.
Amount of Material:	~75SF
Homog. Area Definition:	Material found in the mechanical room only.
Functional Space:	Mechanical
Sample Location:	Collected from the mechanical room floor- north.
Primary Analysis Results:	**Chrysotile** 5%
Secondary Analysis Results::	**Chrysotile** 0%

75 Sq. Feet

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
SUMMARY EVALUATION

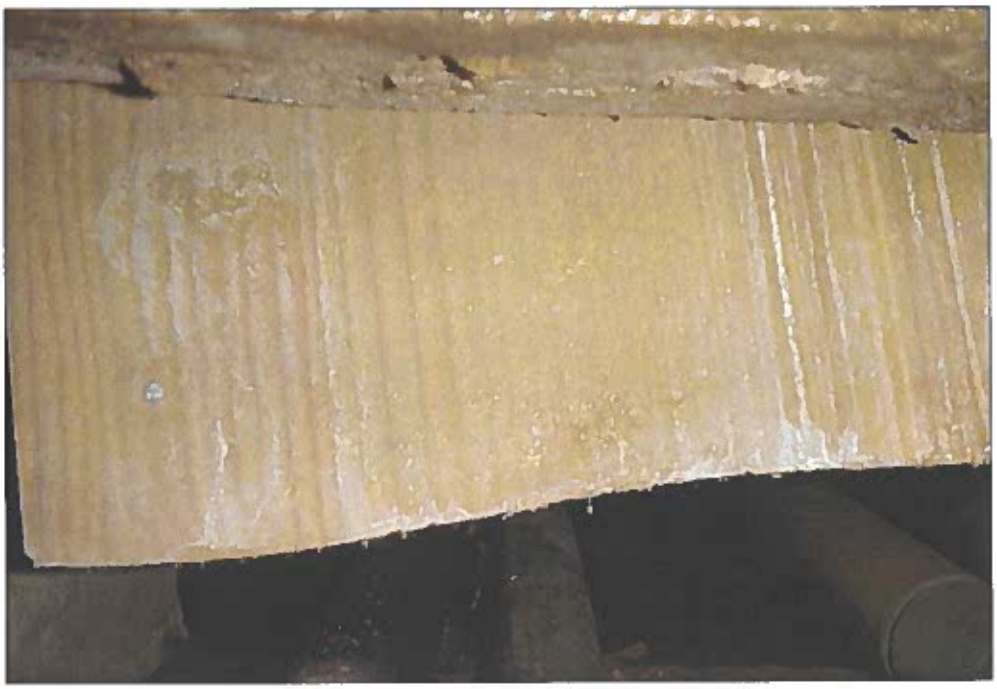
Miscellaneous Material

Floor Tile **1** - **25** - **Friable** Hazard Rank: 3

Homog. Area Description:	9"x9" Sq. floor tile, brown with mastic.	
Amount of Material:	~75SF	
Homog. Area Definition:	Material found in the mechanical room only.	
Functional Space:	Mechanical	
Sample Location:	Collected from the mechanical room floor- west.	
Primary Analysis Results:	**Chrysotile**	4%
Secondary Analysis Results::	**Chrysotile**	0%
	75 Sq. feet	

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
SUMMARY EVALUATION

Miscellaneous Materials



Transite **1** - **33** - **Non-Friable** Hazard Rank: 2

Homog. Area Description:	Exterior Wall Board
Amount of Material:	~2500 SF
Homog. Area Definition:	This material is found on the exterior of the building between the frame and the brick.
Functional Space:	Public Area
Sample Location:	Collected from the exterior of the building.
Primary Analysis Results:	**Chrysotile** 15%
Secondary Analysis Results::	**Amosite** 0%

CONCLUSIONS AND RECOMMENDATIONS

CONCLUSION:
Thirty-three samples were collected from eleven materials or homogenous materials or areas. Two of those areas or materials were found to contained over one percent asbestos by one or both of the laboratories. Individual sample values or composition can be found in the homogenous area report in section 2.0 of this report.

The 9" brown floor tile referred to in this report as area MFT-1. Three samples 24, 25, and 26 were taken and two, (25, 26), were identified positive. This material is found in the mechanical room. There is approximately 75 square feet of this material.

The transite siding referred to in this report as area MTRB-1. One sample, (33), was taken and identified positive. This material is found behind the exterior brick wall veneer. There is approximately 2500 square feet of this material.

RECOMMENDATION:
The floor is damaged in some areas and should be repaired or removed. The transite siding is not accessible and the only consideration would be during demolition. At this point the porous felt lap board that contacts this siding should be considered contaminated also, and handled as stated below.

Should any of the above identified ACM need to be disturbed or removed, the following regulations should be adhered to. State of Texas, Federal, and OSHA regulations require that all asbestos containing building materials (ACBM) in public buildings in Texas that will be disturbed in any demolition or renovation activities must be removed by Texas Department of Health licensed and certified personnel (i.e.. Asbestos Consultant, Asbestos Abatement Contractor, Asbestos Abatement Workers, and Air Monitoring Technicians) prior to the demolition or renovation activities by general construction personnel.

LIMITATIONS AND REPRODUCTIONS

Neither ESESIS, nor NAAL Inc. makes any warranty, assurance, or guarantee that other asbestos containing materials may not be in the building in hidden or inaccessible areas.

This report has been prepared on behalf of and for the exclusive use of Midwestern State University for use in an environmental evaluation of this building. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the written consent of ESESIS, or NAAL Inc.

ACM Homogeneous Area Summary

Report Number: 200035006

Homogeneous Area		Amount of Material	Type and Percent of Asbestos Detected	
Floor Tile	**1**	~75SF		
Sample Number	25		Chrysotile	4%
			Chrysotile	0%
Comments: 75 Sq. feet				
Sample Number	26		Chrysotile	5%
			Chrysotile	0%
Comments: 75 Sq. Feet				
Transite	**1**	~2500 SF		
Sample Number	33		Chrysotile	15%
			Amosite	0%
Comments:				

HOMOGENEOUS AREA REPORT

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University
Regarding: Welding shop/ McCullough Annex
3410 Taft Boulevard

Date: June 07, 2000
Report Number: 200035006

Lab number -	Homogeneous Area Name	- Field Number -

Lab Sample #: 0-05170 - Ceiling Tile - 1 15

Material Category: Miscellaneous Material
Homog. Area Description: 2"x2" Sq. ceiling tile, white with flecks.
Condition: Accessible
Collection Location: Collected from the restroom.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #004564 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 16 - Ceiling Tile - 1 16

Material Category: Miscellaneous Material
Homog. Area Description: 2"x2" Sq. ceiling tile, white with flecks.
Condition: Accessible
Collection Location: Collected from the restroom.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

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Lab Sample #: 17 - Ceiling Tile - 1 17

Material Category: Miscellaneous Material
Homog. Area Description: 2"x2" Sq. ceiling tile, white with flecks.
Condition: Accessible
Collection Location: Collected from the restroom.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

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Lab Sample #: 19 - Ceiling Tile - 2 19

Material Category: Miscellaneous Material
Homog. Area Description: 12"x12" Sq. ceiling tile white with random dot.
Condition: Accessible
Collection Location: Collected from the mechanical room.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 03 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University
Regarding: Welding shop/ McCullough Annex
3410 Taft Boulevard

Date: June 07, 2000
Report Number: 200035006

Lab number -	Homogeneous Area Name	- Field Number -

Lab Sample #: 20 - Ceiling Tile - 2 20

Material Category: Miscellaneous Material
Homog. Area Description: 12"x12" Sq. ceiling tile white with random dot.
Condition: Accessible
Collection Location: Collected from the mechanical room.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

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Lab Sample #: 0-05171 - Ceiling Tile - 2 18

Material Category: Miscellaneous Material
Homog. Area Description: 12"x12" Sq. ceiling tile white with random dot.
Condition: Accessible
Collection Location: Collected from the mechanical room.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #004564 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 22 - Ceiling Tile - 3 22

Material Category: Miscellaneous Material
Homog. Area Description: 2"x4" Sq. accoustical ceiling tile
Condition: Accessible
Collection Location: Collected from the storage area at wall #2.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

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Lab Sample #: 23 - Ceiling Tile - 3 23

Material Category: Miscellaneous Material
Homog. Area Description: 2"x4" Sq. accoustical ceiling tile
Condition: Accessible
Collection Location: Collected from the storage area at wall #3.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

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Prepared for: Midwestern State University
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3410 Taft Boulevard

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Lab number -	Homogeneous Area Name	- Field Number -

Lab Sample #: 0-05172 - Ceiling Tile - 3 21

Material Category: Miscellaneous Material
Homog. Area Description: 2"x4" Sq. accoustical ceiling tile
Condition: Accessible
Collection Location: Collected from the storage area at wall #1.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #004564 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 11 - Elbow Wrap - 1 11

Material Category: Thermal System Insulation
Homog. Area Description: Elbow wrap and insulation.
Condition: Accessible
Collection Location: Collected from the mechanical room.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

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Lab Sample #: 10 - Elbow Wrap - 1 10

Material Category: Thermal System Insulation
Homog. Area Description: Elbow wrap and insulation.
Condition: Accessible
Collection Location: Collected from the mechanical room.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 02 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 0-05168 - Elbow Wrap - 1 09

Material Category: Thermal System Insulation
Homog. Area Description: Elbow wrap and insulation.
Condition: Accessible
Collection Location: Collected from the mechanical room.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #004564 Analysis Lab: Quest MicroAnalytics, Inc.

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University — Page 4 of 9
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3410 Taft Boulevard — Report Number: 200035006

Lab number -	Homogeneous Area Name	-	Field Number -

Lab Sample #: 0-05175 - Flex Connector - 1 30

Material Category: Miscellaneous Material
Homog. Area Description: Flex connector.
Condition: Accessible
Collection Location: Collected from the mechanical room-south.
Asbestos Type / Percent: **No Asbestos Detected** **0%**
Asbestos Type / Percent: **No Asbestos Detected** **0%**

Page Number 01 of Report #004564 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 31 - Flex Connector - 1 31

Material Category: Miscellaneous Material
Homog. Area Description: Flex connector.
Condition: Accessible
Collection Location: Collected from the mechanical room-south.
Asbestos Type / Percent: **No Asbestos Detected** **0%**
Asbestos Type / Percent: **No Asbestos Detected** **0%**

Page Number 05 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 32 - Flex Connector - 1 32

Material Category: Miscellaneous Material
Homog. Area Description: Flex connector.
Condition: Accessible
Collection Location: Collected from the mechanical room-north.
Asbestos Type / Percent: **No Asbestos Detected** **0%**
Asbestos Type / Percent: **No Asbestos Detected** **0%**

Page Number 05 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 26 - Floor Tile - 1 26

Material Category: Miscellaneous Material
Homog. Area Description: 9"x9" Sq. floor tile, brown with mastic.
Condition: Accessible
Collection Location: Collected from the mechanical room floor- north.
Asbestos Type / Percent: **Chrysotile** **5%**
Asbestos Type / Percent: **Chrysotile** **0%**
75 Sq. Feet

Page Number 04 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
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Prepared for: Midwestern State University
Regarding: Welding shop/ McCullough Annex
3410 Taft Boulevard

Date: June 07, 2000
Report Number: 200035006

Lab number -	Homogeneous Area Name	- Field Number -

Lab Sample #: 0-05173 - Floor Tile - 1 24

Material Category: Miscellaneous Material
Homog. Area Description: 9"x9" Sq. floor tile, brown with mastic.
Condition: Accessible
Collection Location: Collected from the mechanical room floor- south.
Asbestos Type / Percent: **No Asbestos Detected** **0%**
Asbestos Type / Percent: **No Asbestos Detected** **0%**
75 Sq. feet

Page Number 01 of Report #004564 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 25 - Floor Tile - 1 25

Material Category: Miscellaneous Material
Homog. Area Description: 9"x9" Sq. floor tile, brown with mastic.
Condition: Accessible
Collection Location: Collected from the mechanical room floor- west.
Asbestos Type / Percent: **Chrysotile** **4%**
Asbestos Type / Percent: **Chrysotile** **0%**
75 Sq. feet

Page Number 04 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 0-05174 - Other Miscellaneous - 1 27

Material Category: Miscellaneous Material
Homog. Area Description: Brown cove base with mastic.
Condition: Accessible
Collection Location: Collected from the lab at wall #1 at the entrance.
Asbestos Type / Percent: **No Asbestos Detected** **0%**
Asbestos Type / Percent: **No Asbestos Detected** **0%**

Page Number 01 of Report #004564 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 28 - Other Miscellaneous - 1 28

Material Category: Miscellaneous Material
Homog. Area Description: Brown cove base with mastic.
Condition: Accessible
Collection Location: Collected from the lab at wall #1 at the corner and at the damage.
Asbestos Type / Percent: **No Asbestos Detected** **0%**
Asbestos Type / Percent: **No Asbestos Detected** **0%**

Page Number 05 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University
Regarding: Welding shop/ McCullough Annex
3410 Taft Boulevard

Date: June 07, 2000
Report Number: 200035006

Lab number -	Homogeneous Area Name	-	Field Number -

Lab Sample #: 29 - Other Miscellaneous - 1 29

Material Category: Miscellaneous Material
Homog. Area Description: Brown cove base with mastic.
Condition: Accessible
Collection Location: Collected from the hallway at wall #4 at the corner.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 05 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 0-05167 - Pipe Insulation - 1 06

Material Category: Thermal System Insulation
Homog. Area Description: Canvas lining over pipe run-ins.
Condition: Accessible
Collection Location: Collected from the red pipe in the mechanical room.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #004564 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 08 - Pipe Insulation - 1 08

Material Category: Thermal System Insulation
Homog. Area Description: Canvas lining over pipe run-ins.
Condition: Accessible
Collection Location: Collected from the orange pipe in the mechanical room.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 07 - Pipe Insulation - 1 07

Material Category: Thermal System Insulation
Homog. Area Description: Canvas lining over pipe run-ins.
Condition: Accessible
Collection Location: Collected from the tan pipe in the mechanical room.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

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ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University
Regarding: Welding shop/ McCullough Annex
3410 Taft Boulevard

Date: June 07, 2000
Report Number: 200035006

Lab number -	Homogeneous Area Name	- Field Number -

Lab Sample #: 13 - Tape Compound - 1 13

Material Category: Surfacing Material
Homog. Area Description: Tape compound with sheet rock.
Condition: Accessible
Collection Location: Collected from the lab at wall #4 next to 1"x1" Sq. conduit at damage.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 02 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 0-05169 - Tape Compound - 1 12

Material Category: Surfacing Material
Homog. Area Description: Tape compound with sheet rock.
Condition: Accessible
Collection Location: Collected from the storage room at wall #4 in the corner next to wall #3 at the damage.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #004564 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 14 - Tape Compound - 1 14

Material Category: Surfacing Material
Homog. Area Description: Tape compound with sheet rock.
Condition: Accessible
Collection Location: Collected from the shop at wall #1 at the corner at the damage.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 02 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University
Regarding: Welding shop/ McCullough Annex
3410 Taft Boulevard

Date: June 07, 2000
Report Number: 200035006

Lab number -	Homogeneous Area Name	-	Field Number -

Lab Sample #: 0-05166 - Texturizer - 1 01

Material Category: Surfacing Material
Homog. Area Description: Wall texturizer- Heavy pattern
Condition: Accessible
Collection Location: Collected from storage-wall #4 at damage.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #004564 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 02 - Texturizer - 1 02

Material Category: Surfacing Material
Homog. Area Description: Wall texturizer- Heavy pattern
Condition: Accessible
Collection Location: Collected from the classroom-center of wall #4
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 03 - Texturizer - 1 03

Material Category: Surfacing Material
Homog. Area Description: Wall texturizer- Heavy pattern
Condition: Accessible
Collection Location: Collected from the hall-wall #2 at damage.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 04 - Texturizer - 1 04

Material Category: Surfacing Material
Homog. Area Description: Wall texturizer- Heavy pattern
Condition: Accessible
Collection Location: Collected from the restroom-wall #4 at restroom.
Asbestos Type / Percent: **No Asbestos Detected 0%**
Asbestos Type / Percent: **No Asbestos Detected 0%**

Page Number 01 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.
HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University
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3410 Taft Boulevard

Date: June 07, 2000
Report Number: 200035006

Lab number -	Homogeneous Area Name	-	Field Number -

Lab Sample #: 05 - Texturizer - 1 05

Material Category: Surfacing Material
Homog. Area Description: Wall texturizer- Heavy pattern
Condition: Accessible
Collection Location: Collected from the shop area-wall #1 at damage.
Asbestos Type / Percent: **No Asbestos Detected** **0%**
Asbestos Type / Percent: **No Asbestos Detected** **0%**

Page Number 01 of Report #CAL0003912 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 33 - Transite - 1 33

Material Category: Miscellaneous Materials
Homog. Area Description: Exterior Wall Board
Condition: Accessible
Collection Location: Collected from the exterior of the building.
Asbestos Type / Percent: **Chrysotile** **15%**
Asbestos Type / Percent: **Amosite** **0%**

Page Number 1 of 1 of Report #CAL00041086 Analysis Lab: Crisp Analytical Lab

BULK SAMPLE REPORT

Crisp Analytical Laboratories, L.L.C.
2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006
CA Labs L.L.C.
11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

POLARIZED LIGHT MICROSCOPY
BULK ASBESTOS ANALYSIS
LABORATORY ANALYSIS REPORT

Midwestern State University
3410 Taft Blvd.
Wichita Falls, TX 76308-2099
reference number: CAL0003912

LABORATORY ANALYSIS METHOD:

Summary of polarizing light microscopy (PLM / stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Improved Interim) and EPA/600/R-93/116 (AHERA). All analysts have received the necessary in-house and extramural training (McCrone Research and/or University Degree in Geology, Chemistry, Environmental and Material Science) to perform analysis of bulk samples for the presence or absence of asbestos. Greater than ten percent of all samples are re-examined by a second analyst for intralaboratory quality control. Greater than one percent are re-examined by the same analyst for quality control. All analysts are required to participate in quality control analysis rounds. Microscopic calibrations are performed on a daily, weekly and monthly basis.

Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. All asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysts' percentages are susceptible to variance. All percentages fall within a range of acceptable percentages, depending on the actual concentration of asbestos. CA Labs is accredited by the **National Voluntary Laboratory Accreditation Program (NVLAP) for selected test methods for bulk asbestos fiber analysis (PLM).** This test report relates only to the items tested. Neither NVLAP nor EPA accreditation implies endorsement by any US Government agency. This report may not be reproduced except in full, without written permission by CA Labs.

These results are submitted pursuant to CA Labs' current terms and condition of sale, including the company's standard warranty and limitation of liability provisions and no responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, CA Labs will store the samples for a period of ninety days before discarding. A shipping and handling fee may be assessed for the return of any samples.

Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

David Bertolacci,
Laboratory Director

Crisp Analytical Laboratories, L.L.C.
2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006
CA Labs L.L.C.
11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Polarized Light Microscopy Report

Analysis Method: Improved Interim (40CFR Part 763 Appendix E to Subpart E) / AHERA (EPA-600 / R - 93 / 116)

Sample Prep Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

Client Information:
Midwestern State University
3410 Taft Blvd.
Wichita Falls, TX 76308-2099

phone # 940-397-4827
fax # 940-397-4859
Attn: Flint Skaggs

Report Date:
31 March 2000

CA Labs project no. **CAL0003912**
Client project name and number: Bldg. Welding Shop ACM-2000-01

Samples received: 3-30-00 10:00am
Turn-around time: 24 hours
PO number:

Sample #	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
02	1	white textured surfacing	y	**none detected**		1% quartz 1% mica 98% carbonates
03	1	white textured surfacing	y	**none detected**		2% quartz 1% mica 97% carbonates
04	1	white textured surfacing	y	**none detected**		< 1% quartz 3% mica 97% carbonates
05	1	white textured surfacing	y	**none detected**		1% quartz 2% mica 97% carbonates
07	1	yellow fibrous insulation	y	**none detected**	98% fiberglass	2% other
	2	brown surfacing on tan canvas and metal foil	n	**none detected**	38% cellulose 3% fiberglass	59% other
08	1	yellow fibrous insulation	y	**none detected**	98% fiberglass	2% other
	2	orange surfacing on white canvas and metal foil	n	**none detected**	62% cellulose 2% fiberglass	36% other

NVLAP #200349-0

TDH #30-0235

David Bertolacci
Analyst(s)

Approved Signatories:

Leslie Crisp,
General Manager

David Bertolacci,
Laboratory Director

Notes:
Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM Chatfield analysis of bulk material is recommended in this case.
All asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysts' percentages are susceptible to a coefficient of variance. All percentages fall within a range of acceptable percentages, depending on the actual concentration of asbestos. CA Labs is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) for selected test methods for bulk asbestos fiber analysis (PLM) and airborne asbestos fiber analysis (TEM). This test report relates only to the items tested. Neither NVLAP nor EPA accreditation implies endorsement by any US Government agency. This report may not be reproduced except in full, without written permission by CA Labs.

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Crisp Analytical Laboratories, L.L.C.
2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006
CA Labs L.L.C.
11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Polarized Light Microscopy Report

Analysis Method: Improved Interim (40CFR Part 763 Appendix E to Subpart E) / AHERA (EPA-600 / R - 93 / 116)

Sample Prep Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

Client Information:
Midwestern State University
3410 Taft Blvd.
Wichita Falls, TX 76308-2099

phone # 940-397-4827
fax # 940-397-4859
Attn: Flint Skaggs

Report Date:
31 March 2000

CA Labs project no. **CAL0003912**
Client project name and number: Bldg. Welding Shop ACM-2000-01

Samples received: 3-30-00 10:00am
Turn-around time: 24 hours
PO number:

Sample #	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
10	1	gray fibrous insulation	y	**none detected**	18% mineral wool < 1% cellulose	82% gypsum
	2	orange surfacing on white canvas	n	**none detected**	54% cellulose	46% other
11	1	gray fibrous insulation	y	**none detected**	20% mineral wool	80% gypsum
	2	orange surfacing on white canvas	n	**none detected**	56% cellulose	44% other
13	1	off-white drywall with brown paper	n	**none detected**	15% cellulose 3% fiberglass	82% gypsum
	2	white textured surfacing	y	**none detected**	10% cellulose	< 1% quartz 4% mica 86% carbonates
14	1	white drywall with brown paper	n	**none detected**	5% cellulose 2% fiberglass	93% gypsum
	2	white textured surfacing	y	**none detected**	< 1% cellulose < 1% fiberglass	2% mica 98% carbonates

NVLAP #200349-0

TDH #30-0235

Approved Signatories:

David Bertolacci
Analyst(s)

Leslie Crisp,
General Manager

David Bertolacci,
Laboratory Director

Notes:
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CA Labs L.L.C.
11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Polarized Light Microscopy Report

Analysis Method: Improved Interim (40CFR Part 763 Appendix E to Subpart E) / AHERA (EPA-600 / R - 93 / 116)

Sample Prep Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

Client Information:
Midwestern State University
3410 Taft Blvd.
Wichita Falls, TX 76308-2099

phone # 940-397-4827
fax # 940-397-4859
Attn: Flint Skaggs

Report Date:
31 March 2000

CA Labs project no. **CAL0003912**
Client project name and number: Bldg. Welding Shop ACM-2000-01

Samples received: 3-30-00 10:00am
Turn-around time: 24 hours
PO number:

Sample #	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
16	1	tan fibrous ceiling tile	y	**none detected**	40% cellulose 40% mineral wool	20% other
	2	white surfacing	y	**none detected**		15% carbonates 85% other
17	1	tan fibrous ceiling tile	y	**none detected**	40% cellulose 40% mineral wool	20% other
	2	white surfacing	y	**none detected**		15% carbonates 85% other
19	1	brown fibrous ceiling tile	y	**none detected**	99% cellulose	1% other
	2	white surfacing	y	**none detected**		28% carbonates 72% other
20	1	brown fibrous ceiling tile	y	**none detected**	99% cellulose	1% other
	2	white surfacing	y	**none detected**		22% carbonates 78% other

NVLAP #200349-0

TDH #30-0235

David Bertolacci
Analyst(s)

Approved Signatories:

Leslie Crisp,
General Manager

David Bertolacci,
Laboratory Director

Notes:
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Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

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CA Labs L.L.C.
11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Polarized Light Microscopy Report

Analysis Method: Improved Interim (40CFR Part 763 Appendix E to Subpart E) / AHERA (EPA-600 / R - 93 / 116)

Sample Prep Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

Client Information:
Midwestern State University
3410 Taft Blvd.
Wichita Falls, TX 76308-2099

phone # 940-397-4827
fax # 940-397-4859
Attn: Flint Skaggs

Report Date:
31 March 2000

CA Labs project no. **CAL0003912**
Client project name and number: Bldg. Welding Shop ACM-2000-01

Samples received: 3-30-00 10:00am
Turn-around time: 24 hours
PO number:

Sample #	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
22	1	gray fibrous ceiling tile	y	**none detected**	40% cellulose 45% mineral wool	15% perlite
	2	white surfacing	y	**none detected**		18% carbonates 82% other
23	1	gray fibrous ceiling tile	y	**none detected**	45% cellulose 40% mineral wool	15% perlite
	2	white surfacing	y	**none detected**		18% carbonates 82% other
25	1	brown floor tile	y	**4% chrysotile**		< 1% mica 96% carbonates
	2	black mastic	y	**< 1% chrysotile**	2% cellulose < 1% fiberglass	2% quartz 96% other
26	1	brown floor tile	y	**5% chrysotile**		95% carbonates
	2	black mastic	y	**< 1% chrysotile**	2% cellulose	< 1% quartz 98% other

NVLAP #200349-0

TDH #30-0235

David Bertolacci
Analyst(s)

Approved Signatories:

Leslie Crisp,
General Manager

David Bertolacci,
Laboratory Director

Notes:
Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM Chatfield analysis of bulk material is recommended in this case.
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CA Labs L.L.C.
11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Polarized Light Microscopy Report

Analysis Method: Improved Interim (40CFR Part 763 Appendix E to Subpart E) / AHERA (EPA-600 / R - 93 / 116)

Sample Prep Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

Client Information:
Midwestern State University
3410 Taft Blvd.
Wichita Falls, TX 76308-2099

phone # 940-397-4827
fax # 940-397-4859
Attn: Flint Skaggs

Report Date:
31 March 2000

CA Labs project no. **CAL0003912**
Client project name and number: Bldg. Welding Shop ACM-2000-01

Samples received: 3-30-00 10:00am
Turn-around time: 24 hours
PO number:

Sample #	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
28	1	brown cove base	y	**none detected**		1% quartz 54% carbonates 45% organics
	2	tan mastic	y	**none detected**		2% quartz 98% binder
29	1	dark brown cove base	y	**none detected**		< 1% quartz 53% carbonates 47% organics
	2	dark brown mastic	y	**none detected**	2% talc < 1% non-abestiform anthophyllite	< 1% quartz 98% binder
31	1	brown canvas	y	**none detected**	80% cellulose < 1% fiberglass	20% other
32	1	brown canvas	y	**none detected**	82% cellulose < 1% fiberglass	18% other

NVLAP #200349-0

TDH #30-0235

Approved Signatories:

David Bertolacci
Analyst(s)

Leslie Crisp,
General Manager

David Bertolacci,
Laboratory Director

Notes:
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CA Labs

Crisp Analytical Laboratories, LLC.
2061 Hutton Dr.
Suite 309
Carrollton, TX 75006

Phone: 972-488-1414
Fax: 972-488-8006
After hours Mobile: 972-977-1958

CA Labs job # CAL 0003912

Client Name: Midwestern State University
Client Address: 3410 Taft Blvd.
Wichita Falls, TX 76308-2099
phone number: 940-397-4827
fax number: 940-397-4859
Project Number: ACM-2000-01 welding Shop

Billing Address: *(if different)*

Send Reports to:
Project Name: Environmental Safety
Building:

Sample Number:	Sample Location:	Sample Volume (L):
02		
03		
04		
05		
07		
08		
10		
11		
13		
14		
16		
17		
19		
20		
22		
23		
25		
26		
28		
29		
31		
32		

10:00am

Custody Information

Samples relinquished: 3-29
Signature / Date / Time

Samples received: AP 3.30.00
Signature / Date / Time

Samples relinquished:
Signature / Date / Time

Samples received:
Signature / Date / Time

QUEST
MicroAnalytics, Inc.
2530 Electronic Lane, Suite 712
Dallas, Texas 75220-1229
Tel 214.351.4441 Fax 214.351.4487

PLM REPORT

NVLAP Lab No. 200249
TDH License No.30-0218

Client: Midwestern State University
Project: Welding Shop
Project No.: ACM-2000-01

Request No.: 004564
Report Date: 3/31/00
Sample Date: 3/29/00

Identification: Polarized Light Microscopy/Dispersion Staining (PLM/DS)

Test Method: Method 40 CFR, Ch. 1, Part 763, Subpart F, Appendix A

On 3/30/00, ten (10) bulk material sam samples were submitted by Midwestern State University for PLM/DS analysis. The results are outlined below:

Client No.	Lab No.	Sample Description	Fibrous Components	Asbestos Content
01	0-05166	White Texture	15% Vermiculite	None Detected
06	0-05167	Red Paint (A) with White Weave (B) and Tan Paper (C) with Silver Foil (D) and Yellow Insulation (E)	B) 100% Cotton C) 98% Cellulose E) 99% Fiberglass	A) None Detected B) None Detected C) None Detected D) None Detected E) None Detected
09	0-05168	Orange Paint (A) with White Canvas (B) and Grey Insulation (C)	B) 100% Cotton C) 60% Fiberglass	A) None Detected B) None Detected C) None Detected
12	0-05169	White Texture (A) with Tan Paper (B) and Pink Drywall (C)	A) 15% Vermiculite B) 98% Cellulose C) 40% Vermiculite 10% Cellulose	A) None Detected B) None Detected C) None Detected
15	0-05170	Beige Ceiling Tile	40% Cellulose 30% Fiberglass 20% Perlite	None Detected
18	0-05171	Tan Ceiling Tile	99% Cellulose	None Detected
21	0-05172	Beige Ceiling Tile	40% Cellulose 30% Fiberglass 20% Perlite	None Detected
24	0-05173	Tan Floor Tile (A) with Black Mastic (B)	B) 7% Cellulose	A) None Detected B) None Detected
27	0-05174	Brown Cove Base (A) with Brown Mastic (B)	B) 3% Wollastonite	A) None Detected B) None Detected
30	0-05175	Brown Canvas	80% Cotton	None Detected

The EPA test method for bulk analysis (EPA/600/R-93/116) states in paragraph 2.2.2. that "the detection limit for visual estimation is a function of the quantity of the sample analyzed, the nature of matrix interference, sample preparation, and fiber size and distribution. Asbestos may be detected in concentrations of less than one percent by area if sufficient material is analyzed. Samples may contain fibers too small to be resolved by PLM (<0.25 micrometers in diameter) so detection of those fibers by this method may not be possible."

Samples are analyzed by layers, and percentages estimated visually during microscopic examination. Individual analysis sheets available upon request. Results may not be reproduced except in full. This test report relates only to the samples tested, and results must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. Samples will be stored for a minimum of 90 days, after which time they will be disposed of unless notified by the client in writing. (Storage fees apply.)

Analyst: Jennifer Jaber

Lab Director: Jennifer D. Jaber

Approved Signatory : Jennifer Jaber

NVLAP

Jennifer Jaber

QUEST
MicroAnalytics, Inc.
2530 Electronic Lane, Su[illegible]712
Dallas, Texas 75220-1229
Tel. 214.351.4441
Fax 214.351.4487

CHAIN OF CUSTODY RECORD

PROJECT NAME:	PROJECT MANAGER:	COMPANY NAME AND ADDRESS: (BILL TO)	P.O. NUMBER:
Welding Shop	Environmental Safety	Midwestern State University 3410 Taft Blvd. Wichita Falls, TX 76308-2099 (940) 397-4827 fax (940) 397-4859	PROJECT NUMBER: ACM-2000-01
SAMPLER: (SIGNATURE)			

CLIENT SAMPLE NUMBER	DATE	TIME	SAMPLE LOCATION	ANALYSIS REQUESTED PLM/PCM/TEM/SEM	DATE RESULTS NEEDED	LAB SAMPLE NUMBER
01					24 hrs.	0-05166
06						
09						
12						
15						
18						
21						
24						
27						
30						0-05175
10						

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
	3 29		3/30/00 10:30am		
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME	REMARKS	
				004564	

Crisp Analytical Laboratories, L.L.C.
2081 Hutton Dr. Suite 309 • Carrollton, TX 75006 • (972) 488-1414 • Fax (972)488-8006
CA Labs L.L.C.
11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

POLARIZED LIGHT MICROSCOPY
BULK ASBESTOS ANALYSIS
LABORATORY ANALYSIS REPORT

Midwestern State University
3410 Taft Blvd.
Wichita Falls, TX 76308-2099
reference number: CAL00041086

LABORATORY ANALYSIS METHOD:

Summary of polarizing light microscopy (PLM / stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Improved Interim) and EPA/600/R-93/116 (AHERA). All analysts have received the necessary in-house and extramural training (McCrone Research and/or University Degree in Geology, Chemistry, Environmental and Material Science) to perform analysis of bulk samples for the presence or absence of asbestos. Greater than ten percent of all samples are re-examined by a second analyst for intralaboratory quality control. Greater than one percent are re-examined by the same analyst for quality control. All analysts are required to participate in quality control analysis rounds. Microscopic calibrations are performed on a daily, weekly and monthly basis.

Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. All asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysts' percentages are susceptible to variance. All percentages fall within a range of acceptable percentages, depending on the actual concentration of asbestos. CA Labs is accredited by the **National Voluntary Laboratory Accreditation Program (NVLAP) for selected test methods for bulk asbestos fiber analysis (PLM).** This test report relates only to the items tested. Neither NVLAP nor EPA accreditation implies endorsement by any US Government agency. This report may not be reproduced except in full, without written permission by CA Labs.

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Analysis performed at Crisp Analytical Labs, L.L.C. 2081 Hutton Dr. Suite 309 Carrollton, TX 75006; phone (972)488-1414, fax (972)488-8006, after-hours mobile (972)977-1958 or (214)564-8366.

David Bertolacci,
Laboratory Director

Crisp Analytical Laboratories, L.L.C.
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11800 Industriplex, Suite 5 • Baton Rouge, LA 70809 • (225) 751-5632 • Fax (225) 751-5634

Polarized Light Microscopy Report

Analysis Method: Improved Interim (40CFR Part 763 Appendix E to Subpart E) / AHERA (EPA-600 / R - 93 / 116)

Sample Prep Method: HCL acid washing for carbonate based samples, chemical reduction for organically bound components, oil immersion for identification of asbestos types by dispersion staining / becke line method.

Client Information:
Midwestern State University
3410 Taft Blvd.
Wichita Falls, TX 76308-2099

phone # 940-397-4827
fax # 940-397-4859
Attn: Flint Skaggs

Report Date:
21 April 2000

CA Labs project no. **CAL00041086**
Client project name and number: Environmental Safety ACM-2000-01 Welding Shop

Samples received: 4-20-00 10:00am
Turn-around time: 24 hours
PO number:

Sample #	Layer #	Analysts Physical Description of Subsample	Homo-geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous type / percent
33	1	tan fiber cement board	y	**15% chrysotile** **< 1% amosite**	< 1% fiberglass	3% quartz 82% carbonates

NVLAP #200349-0

TDH #30-0235

David Bertolacci
Analyst(s)

page 1 of 1

Approved Signatories:

Leslie Crisp,
General Manager

David Bertolacci,
Laboratory Director

Notes:
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2081 Hutton Dr.
Suite 309
Carrollton, TX 75006

Phone: 972-488-1414
Fax: 972-488-8006
After hours Mobile: 972-977-1958

Chain of Custody

Client Name:

Client Address: Midwestern State University
3410 Taft Blvd.
Wichita Falls, TX 76308-2099

phone number: 940-397-4827
fax number: 940-397-4859
Project Number: ACM-2000-01

CA Labs job # CAL 00041086

Billing Address: (if different)

Send Reports to:
Project Name: Environmental Safety Building:

Total # Samples Submitted:	Total # Samples to be Analyzed:	Material Matrix:
/ /	/ /	Air / (Bulk)

Asbestos: *please call ahead for availability of all rush and/or after hours samples.*

TEM	TA Time	(PLM)	TA Time	PCM	TA Time
Circle analysis and TA time		Circle analysis and TA time	*2 hour*	Circle analysis and TA time	
AHERA	*4 hour*	Improved	4 hour	NIOSH 7400	4 hour
EPA Level II	8 hour	(Interim)	8 hour		8 hour
Drinking Water	16 hour		16 hour		16 hour
Wipe	24 hour	AHERA	(24 hour)		24 hour
Micro-vac	2 days		2 days		2 days
NIOSH 7402	3 days	Point Count -	3 days		3 days
Chatfield Bulk	5 days	(NESHAPS)	5 days		5 days

Lead: Circle analysis and TA time

Matrix:		Paint Chips	Soil	Air	Wipes	Wastewater
TA Time:	*8 hour*	1 day	2 days	3 days	5 days	6-10 days

Sample Information:

Sample Number:	Sample Location:	Sample Volume (L):
33	Environmental	—
		1

Custody Information:

Samples relinquished: [signature] 4/19/00 — Signature / Date / Time

Samples received: [signature] 4.20.00 10:00am — Signature / Date / Time

Samples relinquished: _____ — Signature / Date / Time

Samples received: _____ — Signature / Date / Time

LAB AND PERSONNEL LICENSES/CERTS

CONSULTING AGENCY LICENSE'S

TEXAS
DEPARTMENT OF HEALTH

BE IT KNOWN THAT

NORTH AMERICAN ANALYTICAL LABS, INC

is Licensed and authorized to perform as an

Asbestos Consultant Agency

in the State of Texas within the purview of Texas Civil Statutes, Article 4477-3a, as amended, so long as this License is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

10-0102
License Number

06/29/2000
Issue Date

06/28/2001
Expiration Date

This certificate is void after expiration date.

Todd F. Wingler, P.E.
Chief, Asbestos Programs Branch
Occupational Safety and Health Division

William R. Archer III, M.D.
Commissioner of Health

VOID IF ALTERED NON-TRANSFERABLE

52391

TEXAS
DEPARTMENT OF HEALTH

BE IT KNOWN THAT

ESESIS

is Licensed and authorized to perform as an

Asbestos Consultant Agency

in the State of Texas within the purview of Texas Civil Statutes, Article 4477-3a, as amended, so long as this License is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

10-0022
License Number

04/11/2000
Issue Date

04/10/2001
Expiration Date

This certificate is void after expiration date.

Todd F. Wingler, P.E.
Chief, Asbestos Programs Branch
Occupational Safety and Health Division

William R. Archer III, M.D.
Commissioner of Health

VOID IF ALTERED NON-TRANSFERABLE

51435

TEXAS
DEPARTMENT OF HEALTH

BE IT KNOWN THAT

NORTH AMERICAN ANALYTICAL LABS, INC.

is Licensed and authorized to perform as an

Asbestos Consultant Agency

in the State of Texas within the purview of Texas Civil Statutes, Article 4477-3a, as amended, so long as this License is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

10-0102
License Number

06/29/1999
Issue Date

06/28/2000
Expiration Date

This certificate is void after expiration date.

Todd F. Wingler, P.E.
Chief, Asbestos Programs Branch
Occupational Safety and Health Division

William R. Archer III, M.D.
Commissioner of Health

VOID IF ALTERED NON-TRANSFERABLE

44994

INDIVIDUAL CONSULTANTS

Texas Department of Health certifies that:

DENNY E WALKER

License Number 10-5023
is Licensed as an
Asbestos Individual Consultant
From 12/21/1999 To 12/20/2000

William R. Archer III, M.D.
Commissioner of Health

Control No. 48992

GEBCO ASSOCIATES

in cooperation with

THE UNIVERSITY OF NORTH TEXAS

certifies that

Denny E. Walker

467-19-9531

has successfully completed and passed the exam given on the final day for the Environmental Training Program entitled

Asbestos Inspector Refresher Course

Conducted at Hurst, Texas on October 27, 1999. This is an EPA fully approved course for purpose of accreditation under Section 206 of TSCA, Title II.

Certificate expires October 27, 2000.

GEBCO

Instructor

Date of Issue: 10/27/99 re-issued May 4, 2000

Certificate Number: 99214

GEBCO's Training Programs are provided in cooperation with federal and state regulatory agencies, and fulfill all applicable requirements for accreditation. GEBCO is licensed for Asbestos Training under the Texas Asbestos Health Protection Rules.

GEBCO Associates, Inc. • 669 Airport Freeway, Suite 210 • Hurst, TX 76053 • (817) 268-4006

TEXAS DEPARTMENT OF HEALTH
TOXIC SUBSTANCES CONTROL DIVISION

ASBESTOS LICENSING SECTION
REVISED JULY 1996

PHYSICIAN'S WRITTEN STATEMENT
MEDICAL SURVEILLANCE FOR ASBESTOS EXPOSURE
(Revised July 1996)

APPLICANT'S NAME: Walker (Last) Denny (First) E. (M.I.)

ADDRESS: 2400 Arrowhead (Street) Abilene (City) TX (State) 79606 (Zip)

SOCIAL SECURITY #: 467-19-9551 TELEPHONE #: (915)691-0172

The above-named individual was seen on 8/27/99, in accordance with:

(1) ✓ 29 CFR 1926.1101 OR (2) _____ 40 CFR 763.121

INDICATE WHICH ITEMS WERE PERFORMED WITH PHYSICIAN'S OR ASSISTANT'S **INITIALS**:

MN Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per part 1 and 2 of Appendix D in 1926.1101.

MN If employed, the employer provided, and review was made of, the employer's description of this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, the personal protective and respiratory equipment to be utilized by the employee, and information from previous medical examinations of the affected employee that is not otherwise available to the physician.

MN A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.

MN The pulmonary function tests of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.

MN Indicate whether or not the physician decided that an x-ray was required: ✓ yes or _____ no, and if an x-ray was performd: ✓ yes or _____ no. A chest roentgenogram, posterior-anterior, 14" x 17" or current film on file with interpretation in accordance with 29 CFR 1926.1101, Appendix E. NOTE: According to 29 CFR 1926.1101(M)(2)(ii)(C), the requirement for a chest x-ray is at the physician's discretion.

MN The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including tbe increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that no medical conditions were detected that would place the employee at an increased risk of material health impairment from exposure to asbestos, and no limitations are recommended on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations, if any: _____

Michael N Joyce PA (Physician's Signature) MICHAEL NJOYCE (Print Physician's Name) (817)640-1111 (Telephone)

185 S. Watson Rd #108 (Street Address) Arlington (City) TX (State) 76010 (Zip)

Med-Aled Industrial Health
185 S. Watson Rd. Suite 108
Arlington, TX

Texas Department of Health certifies that:

CHARLES THORN

License Number 105047
is licensed as an
Individual Asbestos Consultant

From 12/29/1999 To 12/28/2000

William R. Archer III, M.D.
Commissioner of Health

Control No. 49241

TDH

GEBCO ASSOCIATES

in cooperation with

THE UNIVERSITY OF NORTH TEXAS

certifies that

Charles M. Thorn

464-56-9009

has successfully completed and passed the exam given on the final day for the Environmental Training Program entitled

Asbestos Inspector Refresher Course

Conducted at Hurst, Texas on October 27, 1999. This is an EPA fully approved course for purpose of accreditation under Section 206 of TSCA, Title II.

Certificate expires October 27, 2000.

GEBCO

Instructor

Date of Issue: 10/27/99
Certificate Number: 99213

GEBCO's Training Programs are provided in cooperation with federal and state regulatory agencies, and fulfill all applicable requirements for accreditation. GEBCO is licensed for Asbestos Training under the Texas Asbestos Health Protection Rules.

GEBCO Associates, Inc. • 669 Airport Freeway, Suite 210 • Hurst, TX 76053 • (817) 268-4006

TEXAS DEPARTMENT OF HEALTH
TOXIC SUBSTANCES CONTROL DIVISION

ASBESTOS LICENSING SECTION
REVISED JULY 1996

PHYSICIAN'S WRITTEN STATEMENT
MEDICAL SURVEILLANCE FOR ASBESTOS EXPOSURE
(Revised July 1996)

APPLICANT'S NAME: Thorn (Last) Charles (First) M (M.I.)

ADDRESS: 65 Queen Anns Loop (Street) Abilene (City) Tx (State) 79606 (Zip)

SOCIAL SECURITY #: 464-56-9009 TELEPHONE #: 915-695-1866

The above-named individual was seen on 11-17-99, in accordance with:

(1) ✓ 29 CFR 1926.1101 OR (2) _____ 40 CFR 763.121

INDICATE WHICH ITEMS WERE PERFORMED WITH PHYSICIAN'S OR ASSISTANT'S **INITIALS**:

PE — Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per part 1 and 2 of Appendix D in 1926.1101.

PE — If employed, the employer provided, and review was made of, the employer's description of this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, the personal protective and respiratory equipment to be utilized by the employee, and information from previous medical examinations of the affected employee that is not otherwise available to the physician.

PE — A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.

PE — The pulmonary function tests of forced vital capacity (FVC) and forced expiratory volume at one second (FEV,1) in accordance with NIOSH and ATS standards.

PE — Indicate whether or not the physician decided that an x-ray was required: _____ yes or ✓ no, and if an x-ray was performd: _____ yes or _____ no. A chest roentgenogram, posterior-anterior, 14" x 17" or current film on file with interpretation in accordance with 29 CFR 1926.1101, Appendix E. NOTE: According to 29 CFR 1926.1101(M)(2)(ii)(C), the requirement for a chest x-ray is at the physician's discretion.

PE — The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including tbe increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that no medical conditions were detected that would place the employee at an increased risk of material health impairment from exposure to asbestos, and no limitations are recommended on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations, if any: No restrictions

Physician's Signature | Print Physician's Name: Perry PAC | Telephone: 817-640-1111

Street Address: 115 S. Watson Rd. STE 101 | City: Arlington | State: Texas | Zip: 76010

INSPECTORS

Texas Department of Health certifies that:

STEVEN E ROBB

License Number **602004**
is Licensed as an
Asbestos Inspector

From **05/05/2000** To **05/04/2001**

William R. Archer III, M.D.
Commissioner of Health

Control No. 51361

IET

The Institute of Environmental Training

Certificate of Achievement

Awarded to

Steven E. Robb

In compliance with requisite training of TSCA Title II and in recognition of the successful completion of an EPA approved AHERA course and passed an examination in:

Asbestos Abatement Inspector Training Course

Twenty Four (24) Hour Course

Course Date (s) February 14, 2000

Exam Date February 16, 2000

Expiration Date February 15, 2001

Certificate No. INS 384-58-5250

Instructor

Director of Training

P.O. Box 6865

Abilene, Texas 79608

(915) 691-0172

№ 2864

TEXAS DEPARTMENT OF HEALTH
TOXIC SUBSTANCES CONTROL DIVISION

ASBESTOS LICENSING SECTION
REVISED JULY 1996

PHYSICIAN'S WRITTEN STATEMENT
MEDICAL SURVEILLANCE FOR ASBESTOS EXPOSURE
(Revised July 1996)

APPLICANT'S NAME: ROBB (Last) STEVEN (First) E. (M.I.)

ADDRESS: 2210 INDEPENDENCE ABILENE TX 79601
Street City State Zip

SOCIAL SECURITY #: 384-58-5250 TELEPHONE #: (915) 676-5910

The above-named individual was seen on 1-31-00, in accordance with:

(1) ✓ 29 CFR 1926.1101 OR (2) _____ 40 CFR 763.121

INDICATE WHICH ITEMS WERE PERFORMED WITH PHYSICIAN'S OR ASSISTANT'S INITIALS:

AV Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per part 1 and 2 of Appendix D in 1926.1101.

AV If employed, the employer provided, and review was made of, the employer's description of this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, the personal protective and respiratory equipment to be utilized by the employee, and information from previous medical examinations of the affected employee that is not otherwise available to the physician.

AV A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.

AV The pulmonary function tests of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.

AV Indicate whether or not the physician decided that an x-ray was required: _____ yes or ___ no, and if an x-ray was performd: ✓ yes or _____ no. A chest roentgenogram, posterior-anterior, 14" x 17" or current film on file with interpretation in accordance with 29 CFR 1926.1101, Appendix E. NOTE: According to 29 CFR 1926.1101(M)(2)(ii)(C), the requirement for a chest x-ray is at the physician's discretion.

AV The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including the increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that no medical conditions were detected that would place the employee at an increased risk of material health impairment from exposure to asbestos, and no limitations are recommended on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations, if any: _____

DN DOMINIC NGUYEN 817-640-1111
Physician's Signature Print Physician's Name Telephone

185 S. Watson Suite 108 Arlington, TX 76010
Street Address City State Zip

GEBCO ASSOCIATES

in cooperation with

THE UNIVERSITY OF NORTH TEXAS

certifies that

Tom M. Gill

453-19-7707

has successfully completed and passed the exam given on the final day for the Environmental Training Program entitled

Asbestos Inspector Refresher Course

Conducted at Hurst, Texas on August 4, 1999. This is an EPA fully approved course for purpose of accreditation under Section 206 of TSCA, Title II.

Certificate expires August 4. 2000.

GEBCO

Instructor

Date of Issue: 08/04/99

Certificate Number: 99153

GEBCO's Training Programs are provided in cooperation with federal and state regulatory agencies, and fulfill all applicable requirements for accreditation. GEBCO is licensed for Asbestos Training under the Texas Asbestos Health Protection Rules.

GEBCO Associates, Inc. • 669 Airport Freeway, Suite 210 • Hurst, TX 76053 • (817) 268-4006

TEXAS DEPARTMENT OF HEALTH
TOXIC SUBSTANCES CONTROL DIVISION

ASBESTOS LICENSING SECTION
REVISED JULY 1996

PHYSICIAN'S WRITTEN STATEMENT
MEDICAL SURVEILLANCE FOR ASBESTOS EXPOSURE
(Revised July 1996)

APPLICANT'S NAME: Gill (Last) Tom (First) M (M.I.)

ADDRESS: 1073 Lakehaven Dr (Street) Denton (City) TX (State) 76208 (Zip)

SOCIAL SECURITY #: 453 19 7707 TELEPHONE #: 940 320 5311

The above-named individual was seen on 4-17-00, in accordance with:

(1) ✓ 29 CFR 1926.1101 OR (2) _____ 40 CFR 763.121

INDICATE WHICH ITEMS WERE PERFORMED WITH PHYSICIAN'S OR ASSISTANT'S INITIALS:

TG Completion and review of the standardized medical questionnaire and work history with special emphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per part 1 and 2 of Appendix D in 1926.1101.

TG If employed, the employer provided, and review was made of, the employer's description of this employee's duties as they relate to the employee's exposure, the employee's representative or anticipated exposure level, the personal protective and respiratory equipment to be utilized by the employee, and information from previous medical examinations of the affected employee that is not otherwise available to the physician.

TG A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems.

TG The pulmonary function tests of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards.

TG Indicate whether or not the physician decided that an x-ray was required: _____ yes or _____ no, and if an x-ray was performd: ✓ yes or _____ no. A chest roentgenogram, posterior-anterior, 14" x 17" or current film on file with interpretation in accordance with 29 CFR 1926.1101, Appendix E. NOTE: According to 29 CFR 1926.1101(M)(2)(ii)(C), the requirement for a chest x-ray is at the physician's discretion.

TG The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure including tbe increased risk of lung cancer attributable to the combined effect of smoking and asbestos exposure.

Unless otherwise noted below, this evaluation indicates that no medical conditions were detected that would place the employee at an increased risk of material health impairment from exposure to asbestos, and no limitations are recommended on the employee concerning the use of personal protective equipment or respirator.

Comments or limitations, if any: None

Jose G Trevino m 214 630 1144
Physician's Signature | Print Physician's Name | Telephone

MED ALERT INDUSTRIAL HEALTH CENTER
3141 IRVING BLVD.
DALLAS, TEXAS 75247
Street Address | City | State | Zip

LABORATORIES

TEXAS
DEPARTMENT OF HEALTH

BE IT KNOWN THAT

CRISP ANALYTICAL LABORATORIES, LLC.

is Licensed and authorized to perform as an

Asbestos Laboratory

PLM, TEM, PCM

in the State of Texas within the purview of Texas Civil Statutes, Article 4477-3a, as amended, so long as this License is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

30-0235
License Number

09/17/1999
Issue Date

09/16/2000
Expiration Date

This certificate is void after expiration date.

Todd F. Wingler, P.E.
Chief, Asbestos Programs Branch
Occupational Safety and Health Division

William R. Archer III, M.D.
Commissioner of Health

VOID IF ALTERED NON-TRANSFERABLE

47783

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Certificate of Accreditation

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

CRISP ANALYTICAL LABORATORY
CARROLLTON, TX

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987) as suppliers of calibration or test results. Accreditation is awarded for specific services, listed on the Scope of Accreditation for:

BULK ASBESTOS FIBER ANALYSIS

September 30, 2000
Effective through

For the National Institute of Standards and Technology

NVLAP Lab Code: 200349-0

NVLAP-01C (11-95)

TEXAS
DEPARTMENT OF HEALTH

BE IT KNOWN THAT

QUEST MICRO ANALYTICS

is Licensed and authorized to perform as an

Asbestos Laboratory
PLM, TEM

in the State of Texas within the purview of Texas Civil Statutes, Article 4477-3a, as amended, so long as this License is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

30-0218
License Number

08/05/1999
Issue Date

08/04/2000
Expiration Date

This certificate is void after expiration date.

Todd F. Wingler, P.E.
Chief, Asbestos Programs Branch
Occupational Safety and Health Division

William R. Archer III, M.D.
Commissioner of Health

VOID IF ALTERED NON-TRANSFERABLE

46424

United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ISO/IEC GUIDE 25:1990
ISO 9002:1987

Certificate of Accreditation

DEPARTMENT OF COMMERCE ★ UNITED STATES OF AMERICA ★

QUEST MICROANALYTICS
DALLAS, TX

is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements of ISO/IEC Guide 25 and the relevant requirements of ISO 9002 (ANSI/ASQC Q92-1987) as suppliers of calibration or test results. Accreditation is awarded for specific services, listed on the Scope of Accreditation for:

BULK ASBESTOS FIBER ANALYSIS

June 30, 2000
Effective through

For the National Institute of Standards and Technology

NVLAP Lab Code: 200249-0

NVLAP-01C (11-95)

State of Texas

Historically Underutilized Business Certification Program

The General Services Commission hereby certifies that as of **August 26, 1998**

QUEST MICROANALYTICS INC

has successfully met the requirements as established by
the State of Texas as a Minority/Woman Owned Business

Certificate/VID Number: 1752710353900
Expiration Date: August 26, 2000

Robert L. Hall, Program Manager
General Services Commission
512-463-5872

(This certificate is VOID upon extension of certification, determination of ineligibility, transfer of ownership, business closure, etc.)

printed on recycled paper

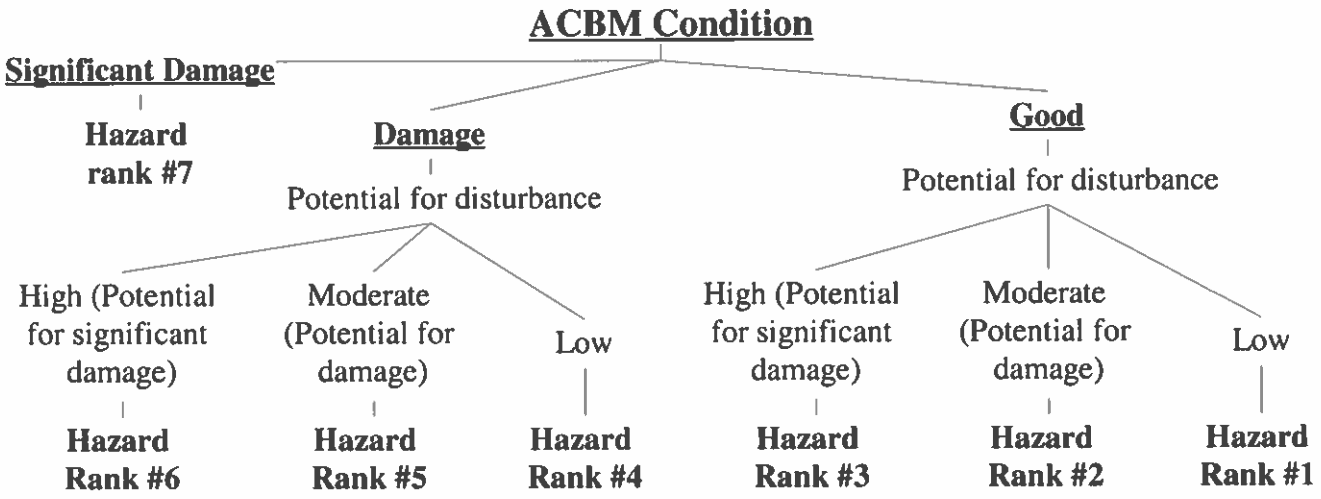
APPENDICES

RESPONSE ACTIONS BASED ON HAZARD RANKING

HAZARD RANK	REMOVAL PRIORITY	AHERA CATEGORIES	RESPONSE ACTIONS REQUIRED BY AHERA
7	1	Significantly Damaged	Evacuate or isolate the area if needed. Remove the ACBM (or enclose or encapsulate if sufficient to contain fibers). Repair of thermal system insulation is allowed if feasible and safe. Operations and maintenance plan required for all friable asbestos containing building materials.
6	2	Damaged plus potential for significant damage	Evacuate or isolate the area if needed. Remove, enclose, encapsulate, or repair to correcte damage. Take steps to reduce potential for disturbance. Operations and maintenance plan required for all friable asbestos containing building materials..
5	3	Damaged plus potential for damage	Remove, enclose, encapsulate, or repair to correct damage. Take steps to reduce potential for disturbance. Operations and maintenance plan required for all friable asbestos containing building materials.
4	4	Damaged	Same as Hazard Rank 5
3	5	Potential for significant damage	Evacuate or isolate the area if needed. Take steps to reduce potential for disturbance. Operations and maintenance plan required for all friable asbestos containing building materials.
2	6	Potential for damage	Operations and maintenance plan required for all friable asbestos containing building materials.
1	7	No problem	Operations and maintenance plan required for all friable asbestos containing building materials, but measures need not be as extensive as above.

NOTE: AHERA does not account for combinations of current and potential damage (i.e. hazard ranks #5 and 6). The response actions shown are combinations of those required for each condition.

CLASSIFICATIONS FOR HAZARD POTENTIAL (DECISION TREE DISPLAY)



HOMOGENEOUS AREA CODES

MATERIAL CATEGORY	MATERIAL TYPE	CODE
Miscellaneous Material	Building Insulation	MBI
Miscellaneous Material	Carpet Mastic	MCPT
Miscellaneous Material	Caulk	MC
Miscellaneous Material	Ceiling Tile	MCT
Miscellaneous Material	Cloth/Rope	MCTH
Miscellaneous Material	Counter/Furniture Surfaces	MCS
Miscellaneous Material	Curtains (fire)	MCU
Miscellaneous Material	Door Insulation	MDI
Miscellaneous Material	Electrical Insulation	MEI
Miscellaneous Material	Flex Connector	MFC
Miscellaneous Material	Floor Tile	MFT
Miscellaneous Material	Grout	MG
Miscellaneous Material	Linoleum	MLN
Miscellaneous Material	Mastic	MM
Miscellaneous Material	Other Miscellaneous	MO
Miscellaneous Material	Roofing Material	MR
Miscellaneous Material	Sheet Rock	MSR
Miscellaneous Material	Substrate	MSS
Miscellaneous Material	Tape	MTP
Miscellaneous Material	Transite	MTRB
Miscellaneous Material	Wall Tile	MWT
Miscellaneous Material	Wallboard	MWB
Miscellaneous Material	Window Glazing	MWG
Surfacing Material	Exterior Coat	SMXC
Surfacing Material	Fireproofing	SMF
Surfacing Material	Other Surfacing	SO
Surfacing Material	Paint	SMP
Surfacing Material	Spray-on Material	SMSM
Surfacing Material	Tape Compound	SMTC
Surfacing Material	Texturizer	SMT
Surfacing Material	Topcoat	SMCT
Thermal System Insulation	Elbow Wrap	EW
Thermal System Insulation	Freezer Insulation	FI
Thermal System Insulation	HVAC Insulation	AC
Thermal System Insulation	Other TSI	TO
Thermal System Insulation	Pipe "T"	TW
Thermal System Insulation	Pipe Insulation	PR
Thermal System Insulation	Tank Insulation	TI

INSPECTOR'S ASSURANCES

The person who conducted this inspection has successfully completed an EPA approved training course on the inspection of buildings for asbestos containing materials. Current state and federal regulations regarding such inspections were followed by the inspector, as applicable to this particular inspection.

Name of Inspector (Printed): **Charles Thorn**

Inspector's Signature: Charles Thorn

Name of Inspector (Printed): **Tom Gill**

Inspector's Signature: Verified by: Denny E. Walker

Name of Inspector (Printed): **Steven E. Robb**

Inspector's Signature: Steven E Robb

Name of Inspector (Printed): **Denny E. Walker**

Inspector's Signature: Denny E. Walker

Certificate/License number: See Personnel and Laboratory Licenses section of this report.

Date of Certification: See Personnel and Laboratory Licenses section of this report.

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.

Guide to Reading Report

Report Number: 200035006 **Project Number:** ACM-2000-01

This instruction page is included with each report to explain the structure of the report and to enable clients to interpret our sample numbering system. If you have any questions after reading this report or if anything in it is not clear to you please do not hesitate to call us.

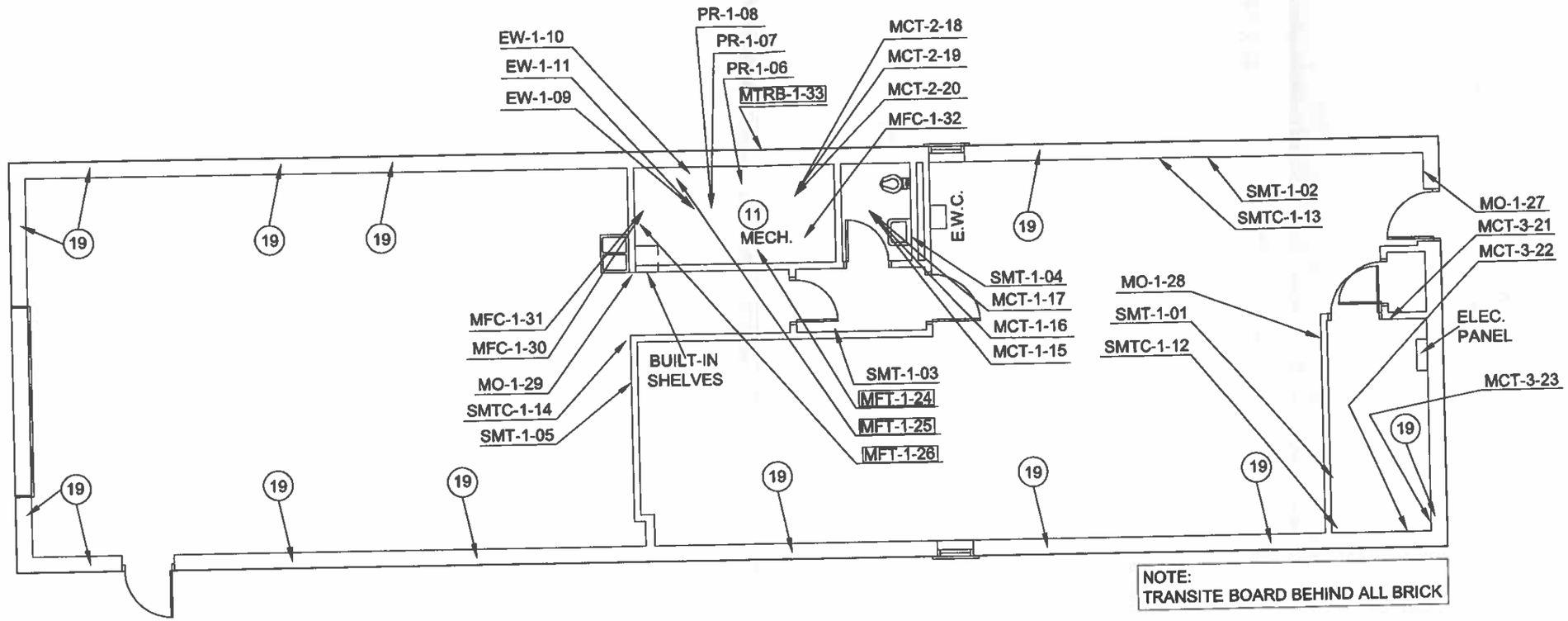
Following this instruction page you will find a written summary which describes and interprets the detailed information found in the rest of the report. It begins with a brief description of the building's construction and a history of any major structural changes in the site (PAST SITE HISTORY / CONSTRUCTION) . This is followed by the ASBESTOS CONTAINING MATERIAL SUMMARY section which describes the methods used to inspect the building and analyze samples. This section also contains a detailed description of the nature of any asbestos containing materials (ACM) including their appearance, location, the approximate quantity present, and a hazard rank ranging from 1 (no immediate danger) to 7 (substantial health risk). The next section, CONCLUSIONS AND RECOMMENDATIONS, gives you our professional opinion as to which areas of the building represent the greatest problem and ways in which these problems may be addressed. The final section of the summary, LIMITATIONS AND REPRODUCTIONS, is designed to inform you of the scope of the inspection and any qualifications which should be used in interpreting its results.

The HOMOGENEOUS AREA REPORT provides a detailed description of each sample of material collected during the inspection. The BULK SAMPLE REPORT includes a cover letter, detailed results for each sample analyzed, and a summary which shows which samples contained asbestos and which did not. APPENDICES which follow the report include a description of ESESIS' homogeneous area codes and a detailed explanation of hazard ranks.

The following is an explanation of the numbering system ESESIS uses to label each sample listed in the summary and homogeneous area reports. Each begins with the unique control number assigned by the laboratory to each sample analyzed. Next the code describing the type of homogeneous area from which the sample was taken is given (codes are explained on the homogeneous area code list included in the appendices). This code may be preceded by an "SA" which indicates that this is a salient (isolated) homogeneous area. The code is also followed by a number used to distinguish the area from others of the same type. Next comes the field sample number assigned to the sample by the inspector when it was collected. The entire number is concluded with the project number or designation, if any, which distinguishes this inspection from any others that may be conducted for the same client.

Once again, if you have any trouble interpreting the information you find in this report please do not hestitate to call us. We at ESESIS appreciate your business.

BUILDING DRAWING



NORTH

SCALE: 1/8" = 1'-0"

WELDING SHOP

MATERIAL KEYNOTES

11. FLOOR TILE = MFT

19. TRANSITE = MTRB

######## - INDICATES A SAMPLE THAT HAS REVEALED AN ASBESTOS CONTAINING SUBSTANCE

- REFER TO ESESIS REPORT FOR VERIFICATION OF ALL LOCATIONS OF SAMPLES AND ASBESTOS CONTAINING SUBSTANCES.

EXPIRES: 31 JULY 2000

REGISTERED ARCHITECT
STATE OF TEXAS

RECORD COPY - NOT FOR CONSTRUCTION

RALPH B. PERKINS #9571
EXPIRES: 31 JULY 2000
DATE SIGNED:

AIA HPA
HARPER PERKINS ARCHITECTS, INC
4734 OLD JACKSBORO HIGHWAY
WICHITA FALLS, TEXAS 76302-9590

WELDING SHOP
MIDWESTERN STATE UNIVERSITY
WICHITA FALLS, TEXAS
3410 TAFT BLVD.

ESESIS
11022 FM 3326 SOUTH
HAWLEY, TX 79525
(915)793-7255 tel.
(915)695-8455 fax

DRAWN BY: W. Perkins

DATE: 5-31-2000

REVISIONS

NO	DESCRIPTION	DATE

00251

WELDING SHOP