ESESIS

110022 FM 3326 South - Hawley, Texas 79525 (915) 672-5719 - Fax (915) 695-8455 - (800) 793-7255 - email Thornem@aol.com In Conjunction with

NORTH AMERICAN ANALYTICAL LABS Inc.

4601 Buffalo Gap Road Suite A-5 - Abilene, TX 79606/ P.O. Box 6865/79608 (915) 691-0172 - (800) 234-3056 - email DEWalker555@aol.com

ASBESTOS BUILDING SURVEY

of

Central Plant

3410 Taft Boulevard Wichita Falls, TX 76308

Building Number:

0032

Completed for

Midwestern State University

Report Date: July 12, 2000

Report Number:

200035007

CONSULTANT:

Charles Thorn

TDH License #10-5047

CONSULTANT:

Denny E. Walker

TDH License #10-5023

INSPECTOR:

Tom Gill

TDH License #60-1835

INSPECTOR:

Steven E. Robb

TDH License #60-2004

TABLE OF CONTENTS

1.0 SUMMARY EVALUATION

- 1.1 PAST SITE HISTORY/CONSTRUCTION
- 1.2 ASBESTOS CONTAINING MATERIAL
 - 1.2.1 MISCELLANEOUS MATERIAL
 - 1.2.2 SURFACING MATERIAL
 - 1.2.3 THERMAL SYSTEM INSULATION
- 1.3 CONCLUSIONS AND RECOMMENDATIONS
- 1.4 LIMITATIONS AND REPRODUCTIONS
- 1.5 ACM HOMOGENEOUS AREA SUMMARY

2.0 HOMOGENEOUS AREA REPORT

- 2.0 THERMAL SYSTEM INSULATION
- 2.0 SURFACING MATERIAL
- 2.0 MISCELLANEOUS MATERIAL

3.0 LABORATORY ANALYSIS REPORTS

- 3.1 QUEST REPORT # 004750
- 3.2 CRISP REPORT # CAL00051304
- 3.3 CRISP REPORT # CAL00051306
- 3.4 CRISP REPORT # CAL00041197

4.0 LAB AND PERSONNEL CERTIFICATES

- 4.1 CONSULTANT AGENCY
- 4.2 ASBESTOS INDIVIDUAL CONSULTANT LICENSE
- 4.3 INDIVIDUAL INSPECTOR LICENSE
- 4.4 LABORATORY TDH PLM LICENSES & NVLAP ACCREDITATION CERTIFICATE

5.0 APPENDICES:

- 5.1 APPENDIX A: RESPONSE ACTION TABLE
 - HAZARD RANK DECISION TREE
- 5.2 APPENDIX B: HOMOGENEOUS AREA CODES
- **5.3 INSPECTORS ASSURANCES**
- 5.4 GUIDE TO READING REPORT
- 5.5 SPECIAL INSERT GLOSSARY 1
- 5.6 SPECIAL INSERT GLOSSARY 2
- **5.6 BUILDING DRAWINGS**

SUMMARY EVALUATION

Report Number: 200035007 Page: Page 1 of 46 Project Number: ACM-2000-01 Date: July 12, 2000

PAST SITE HISTORY/CONSTRUCTION

Records provided by MSU show this building to be 10,613 square feet in size. Original construction was completed in 1949 and an addition was completed in 1967. This is a two story building. The exterior of the building is typical construction for MSU properties, clay brick with herring bone accents. It also has a pitched roof with clay over-lay shingles.

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

Report Number: 200035007 Page: Page 2 of 46 Project Number: ACM-2000-01 Date: July 12, 2000

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.

One Hundred twenty-seven, (127) 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.

Report Number: 200035007 Project Number: ACM-2000-01 Page: Page 3 of 46 Date: July 12, 2000

Miscellaneous Material



Caulk 1 - 20 - Non-Friable Hazard Rank: 3

Homog. Area Description:

Door frame caulk

Amount of Material:

~17 doors

Homog. Area Definition:

Throughout door frames in the building.

Functional Space:

Public Area

Sample Location:

Collected from left side of the door in chemical storage

Primary Analysis Results:

Chrysotile 2%

Secondary Analysis Results::

Report Number:

200035007

Page: Page 4 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Miscellaneous Material

Caulk

1 21 Non-Friable Hazard Rank: 3

Homog. Area Description:

Door frame caulk

Amount of Material:

~17 doors

Homog. Area Definition:

Throughout door frames in the building.

Functional Space:

Public Area

Sample Location:

Collected from right side of testing room door

Primary Analysis Results: Secondary Analysis Results:: **Chrysotile**

2% 0%

Caulk

1 22 Non-Friable Hazard Rank: 3

Homog. Area Description:

~17 doors

Door frame caulk

Amount of Material: Homog. Area Definition:

Throughout door frames in the building.

Functional Space:

Public Area

Sample Location:

Collected from right side of door in reception room

Primary Analysis Results:

Chrysotile

2%

Secondary Analysis Results::

Report Number: 200035007 Project Number: ACM-2000-01 Page: Page 5 of 46 Date: July 12, 2000

Thermal System Insulation



Elbow Wrap 1 - 26 - Friable Hazard Rank: 5

Homog. Area Description:

White Elbow wrap (fitting) insulation

Amount of Material:

~20 elbows

Homog. Area Definition:

This material is found above the ceilings in the control office. The material is

in a deteriorated condition.

Functional Space:

Mechanical

Chrysotile

Sample Location:

Collected from above the drop ceiling in the control office wall #3.

Primary Analysis Results:

15%

Secondary Analysis Results::

Report Number:

200035007

1

Page: Page 6 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Elbow Wrap

28

Friable

Hazard Rank: 5

Homog. Area Description:

White Elbow wrap (fitting) insulation

Amount of Material:

~20 elbows

Homog. Area Definition:

This material is found above the ceilings in the control office. The material is

in a deteriorated condition.

Functional Space:

Mechanical

Sample Location:

Collected from above the drop ceiling in the control office wall #3.

Primary Analysis Results:

Chrysotile

3%

Secondary Analysis Results::

0%

Elbow Wrap

- 27

Friable

Hazard Rank: 5

Homog. Area Description:

m.

White Elbow wrap (fitting) insulation

Amount of Material:

~20 elbows

Homog. Area Definition:

This material is found above the ceilings in the control office. The material is

in a deteriorated condition.

Functional Space:

Mechanical

Sample Location:

Collected from above the drop ceiling in the control office wall #3.

Primary Analysis Results:

Chrysotile

2%

Secondary Analysis Results::

Report Number: 2000

200035007

Page: Page 7 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Elbow Wrap

2

32

Friable

Hazard Rank: 4

Homog. Area Description:

Pipe Elbow Fittings, Blue

Amount of Material:

~30 elbows

Homog. Area Definition:

This materials found on the chillers at ground level.

Functional Space:

Mechanical

Sample Location:

Collected from a fitting on chiller #5, next to the yellow stairs at the 1st elbow.

Primary Analysis Results:

Chrysotile

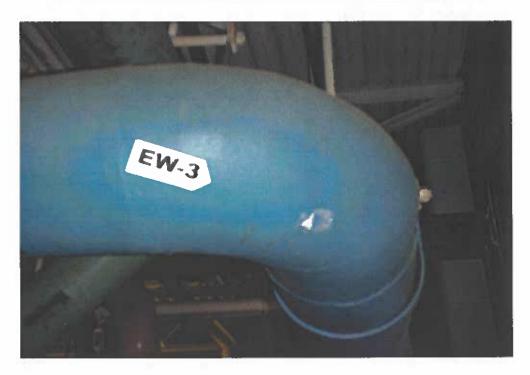
20%

Secondary Analysis Results::

Report Number: 200035007 Page: Page 8 of 46

Project Number: ACM-2000-01 Date: July 12, 2000

Thermal System Insulation



Hazard Rank: 4 Friable Elbow Wrap 43

Homog. Area Description:

Elbow fitting insulation, Blue

Amount of Material:

~75 elbows

Homog. Area Definition:

This material is found on the chilled water lines and appears to be old material.

Mechanical

Functional Space: Sample Location:

Collected from a fitting on the 2nd floor south wall by window next to valve.

Primary Analysis Results: Secondary Analysis Results:: Chrysotile

13%

Chrysotile

Report Number:

200035007

Page: Page 9 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Elbow Wrap

3

42

Friable

Hazard Rank: 4

Homog. Area Description:

Elbow fitting insulation, Blue

Amount of Material:

~75 elbows

Homog. Area Definition:

This material is found on the chilled water lines and appears to be old material.

Functional Space:

Mechanical

Sample Location:

Collected from fitting on the 2nd floor south wall by window above head.

Primary Analysis Results:

Chrysotile Chrysotile

12%

Secondary Analysis Results::

Report Number:

200035007

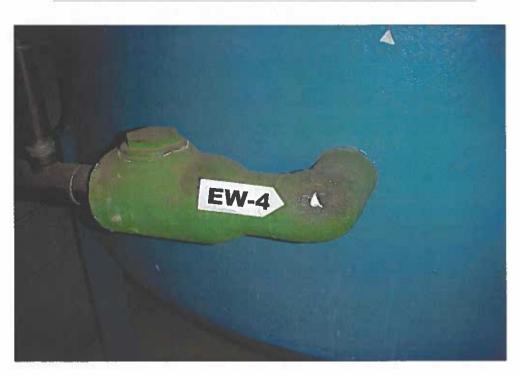
Page: Page 10 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Elbow Wrap

47

Friable

Hazard Rank: 4

Homog. Area Description:

Pipe insulation, Green

Amount of Material:

~60 elbows

Homog. Area Definition:

Pipe insulation on the city water pipes

Functional Space:

Mechanical

Sample Location:

Collected from elbow on chilled water tank

Primary Analysis Results:

Chrysotile

25%

Secondary Analysis Results::

Report Number: 200035007 Page: Page 11 of 46 Project Number: ACM-2000-01 Date: July 12, 2000

Thermal System Insulation

Elbow Wrap 4 - 48 - Friable Hazard Rank: 4

Homog. Area Description: Pipe insulation, Green

Amount of Material: ~60 elbows

Homog. Area Definition: Pipe insulation on the city water pipes Functional Space: Mechanical

Sample Location: Collected from elbow on north wall near make up tank

Primary Analysis Results: Chrysotile 15% Secondary Analysis Results: Chrysotile 0%

Less than 1% chrysotile in second layer

Elbow Wrap 4 - 49 - Friable Hazard Rank: 4

Homog. Area Description: Pipe insulation, Green

Amount of Material: ~60 elbows

Homog. Area Definition: Pipe insulation on the city water pipes Functional Space: Mechanical

Sample Location: Collected from elbow on south wall near floor by valve

Primary Analysis Results: Chrysotile 58% Secondary Analysis Results: Chrysotile 30%

Report Number:

200035007

Page: Page 12 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Elbow Wrap

5

58

Friable

Hazard Rank: 4

Homog. Area Description:

Elbow insulation

Amount of Material:

~40 elbows

Homog. Area Definition:

Elbow insulation of the red steam pipes

Functional Space:

Mechanical

Sample Location:

Collected at large gate valve in front of boiler #3.

Primary Analysis Results:

Chrysotile

35%

Secondary Analysis Results::

Chrysotile

Report Number:

200035007

Page: Page 13 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Elbow Wrap

5

57

Friable

Hazard Rank: 4

Homog. Area Description:

Elbow insulation

Amount of Material:

~40 elbows

Homog. Area Definition:

Elbow insulation of the red steam pipes

Functional Space:

Mechanical

Sample Location:

Collected from Above boiler #3.

Chrysotile 30%

Primary Analysis Results: Secondary Analysis Results::

Chrysotile

0%

Less than 1%, second layer

Elbow Wrap

56

Friable

Hazard Rank: 4

Homog. Area Description:

Amount of Material:

~40 elbows

Elbow insulation

Homog. Area Definition:

Elbow insulation of the red steam pipes

Functional Space:

Mechanical

Sample Location:

Collected from large red elbow above boiler #2.

Primary Analysis Results:

Chrysotile

30%

Secondary Analysis Results::

Report Number: 200035007 Page: Page 14 of 46 Project Number: ACM-2000-01 Date: July 12, 2000

Thermal System Insulation



Elbow Wrap 6 - 62 - Friable Hazard Rank: 4

Homog. Area Description: Amount of Material:

Elbow insulation ~16 elbows

Homog. Area Definition:

This material can be found on the elbows of the orange pipes

Functional Space:

Public Area

Sample Location:

Collected from orange elbow at 2 ton hoist

Primary Analysis Results: Secondary Analysis Results::

Chrysotile 60%

Report Number: 200035007 Page: Page 15 of 46

Project Number: ACM-2000-01 Date: July 12, 2000

Thermal System Insulation

Elbow Wrap 6 - 63 - Friable Hazard Rank: 4

Homog. Area Description: Elbow insulation

Amount of Material: ~16 elbows

Homog. Area Definition: This material can be found on the elbows of the orange pipes Functional Space: Public Area

Functional Space: Public Area
Sample Location: Collected from lower orange elbow at 2 ton hoist

Primary Analysis Results: Chrysotile 49%

Secondary Analysis Results:: Chrysotile 3%

Elbow Wrap 6 - 64 - Friable Hazard Rank: 4

Homog. Area Description: Elbow insulation
Amount of Material: ~16 elbows

Homog. Area Definition: This material can be found on the elbows of the orange pipes

Functional Space: Public Area

Sample Location: Elbow coming from #61

Primary Analysis Results: Chrysotile 14%
Secondary Analysis Results: Chrysotile 0%

Less than 1% chrysotile in the second layer

 Report Number:
 200035007
 Page:
 Page 16 of 46

 Project Number:
 ACM-2000-01
 Date:
 July 12, 2000

Thermal System Insulation



Elbow Wrap 7 - 68 - Friable Hazard Rank: 4

Homog. Area Description:

Elbow insulation, gray

Amount of Material:

~15 elbows

Homog. Area Definition:

Insulation on elbows on the gray pipe runs located throughout the machine

room

Functional Space:

Public Area

Sample Location:

Collected from gray elbow at the right side of the 2-ton hoist

Primary Analysis Results:

Chrysotile

35% 0%

Secondary Analysis Results::

Report Number:

200035007

Page: Page 17 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Elbow Wrap

7

69

Friable

Hazard Rank: 4

Homog. Area Description:

Elbow insulation, gray

Amount of Material:

~15 elbows

Homog. Area Definition:

Insulation on elbows on the gray pipe runs located throughout the machine

room

Functional Space:

Public Area

Sample Location:

Collected from the same area as #68

Primary Analysis Results:

Chrysotile

18%

Secondary Analysis Results::

0%

Elbow Wrap

7

70

Friable

Hazard Rank: 4

Homog. Area Description:

Elbow insulation, gray

Amount of Material:

~15 elbows

Homog. Area Definition:

Insulation on elbows on the gray pipe runs located throughout the machine

room

Functional Space:

Public Area

Sample Location:

Collected from the pipe run elbow near the center aisle in the machine shop

next to the loudspeakers

Primary Analysis Results:

Chrysotile

18%

Secondary Analysis Results::

Chrysotile 0%

Less than 1% chrysotile in the second layer

Report Number:

200035007

Page: Page 18 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Elbow Wrap

9

80

Friable

Hazard Rank: 4

Homog. Area Description:

Elbow insulation, white, tan, old

Amount of Material:

~7 elbows

Homog. Area Definition:

On boilers, 1, and 2.

Functional Space:

Mechanical

Chrysotile

Sample Location:

Collected from elbow on boiler #1.

Primary Analysis Results:

60%

Secondary Analysis Results::

Report Number:

200035007

Page: Page 19 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Elbow Wrap

9

81

Friable

Hazard Rank: 4

Homog. Area Description:

Elbow insulation, white, tan, old ~7 elbows

Amount of Material: Homog. Area Definition:

On boilers, 1, and 2.

Functional Space:

Mechanical

Sample Location:

Collected from elbow on boiler #1.

Primary Analysis Results:

Chrysotile

78%

Secondary Analysis Results::

Chrysotile

5%

Elbow Wrap

9

82

Friable

Hazard Rank: 4

Homog. Area Description:

A --- -----t - C N determinals

Amount of Material:

Homog. Area Definition:

Functional Space:

Sample Location:

Primary Analysis Results: Secondary Analysis Results::

04

Elbow insulation, white, tan, old

~7 elbows

On boilers, 1, and 2.

Mechanical

Collected from elbow on boiler #2.

Chrysotile

74%

Report Number:

200035007

Page: Page 20 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Other TSI

3

84

Friable

Hazard Rank: 4

Homog. Area Description:

Insulation

Amount of Material:

~650 Square feet

Homog. Area Definition:

Insulation on boiler stacks going to ceiling

Functional Space:

Mechanical

Sample Location:

Collected from stack of boiler #2.

Primary Analysis Results:

Chrysotile

20%

Secondary Analysis Results::

Chrysotile

Report Number:

200035007

Page: Page 21 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Other TSI

3

83

Friable

Hazard Rank: 4

Homog. Area Description:

Insulation

Amount of Material:

~650 Square feet

Homog. Area Definition:

Insulation on boiler stacks going to ceiling

Functional Space:

Mechanical

Chrysotile

Sample Location:

Collected from stack of boiler #1.

Primary Analysis Results:

60%

Secondary Analysis Results::

Report Number: 200035007 Project Number: ACM-2000-01

Page: Page 22 of 46 Date: July 12, 2000

Thermal System Insulation



Other TSI

88

Insulation

~72 Square feet

Homog. Area Definition:

Homog. Area Description:

Insulation on the boiler drain and access ports

Functional Space:

Amount of Material:

Mechanical

Sample Location:

Collected from aft drain plug on #2.

Primary Analysis Results:

Chrysotile

36% 0%

Secondary Analysis Results::

Chrysotile

Less than 1% chrysotile in the first layer

Report Number:

200035007

Page: Page 23 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Other TSI

4

87

Friable

Hazard Rank: 4

Homog. Area Description:

Insulation

Amount of Material:

~72 Square feet

Homog. Area Definition:

Insulation on the boiler drain and access ports

Functional Space:

Mechanical

Sample Location:

Collected from front drain plug on boiler #2.

Primary Analysis Results:

Chrysotile

4%

Secondary Analysis Results::

Chrysotile

28%

Other TSI

4

86

Friable

Hazard Rank: 4

Homog. Area Description:

Amount of Material:

Insulation

Homog. Area Definition:

~72 Square feet
Insulation on the boiler drain and access ports

Functional Space:

Mechanical

Sample Location:

Collected from front drain plug on boiler #1.

Primary Analysis Results:

Chrysotile

25%

Secondary Analysis Results::

Report Number: 200035007 Page: Page 24 of 46 Date: July 12, 2000 Project Number: ACM-2000-01

Thermal System Insulation



Hazard Rank: 4 Other TSI 115 -Friable

Homog. Area Description:

Insulation

Amount of Material:

~200 Square feet

Homog. Area Definition:

Insulation on the chiller #5.

Functional Space:

Mechanical

Sample Location:

Collected from the middle cylinder of chiller #5.

Primary Analysis Results:

Chrysotile

26%

Secondary Analysis Results::

Chrysotile

0%

less than 1% chrysotile detected in the second and third layers

Report Number:

200035007

Page: Page 25 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Other TSI

5

114

Friable

Hazard Rank: 4

Homog. Area Description:

Insulation

Amount of Material:

~200 Square feet

Homog. Area Definition:

Insulation on the chiller #5.

Functional Space:

Mechanical

Sample Location:

Collected from the aft end cap of chiller #5.

Primary Analysis Results:

Chrysotile

2%

Secondary Analysis Results::

Chrysotile

48%

2% chrysotile also detected in the third layer.

Other TSI

5

113

Friable

Hazard Rank: 4

Homog. Area Description:

Amount of Material:

Insulation

Amount of Material:
Homog. Area Definition:

~200 Square feet Insulation on the chiller #5.

Functional Space:

Mechanical

Sample Location:

Collected from the end cap of chiller #5.

Primary Analysis Results:

Chrysotile

30%

Secondary Analysis Results::

Report Number:

200035007

Page: Page 26 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Other TSI

116

Friable

Hazard Rank: 4

Homog. Area Description:

Amount of Material:

Insulation

~60 Square feet

Homog. Area Definition:

Insulation on the large fittings or ducting on the chiller #5.

Functional Space:

Mechanical

Sample Location:

Collected from the chiller components on chiller #5.

Primary Analysis Results:

Chrysotile

30%

Secondary Analysis Results::

Report Number:

200035007

Page: Page 27 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Other TSI

6

118

Friable

Hazard Rank: 4

Homog. Area Description:

Insulation

Amount of Material:

~60 Square feet

Homog. Area Definition:

Insulation on the large fittings or ducting on the chiller #5.

Functional Space:

Mechanical

Sample Location:

Collected from the chiller components on chiller #5

Primary Analysis Results:

Chrysotile

32%

Secondary Analysis Results:: Chrysotile

0%

Less than 1% asbestos was found in the first layer

Report Number:

200035007

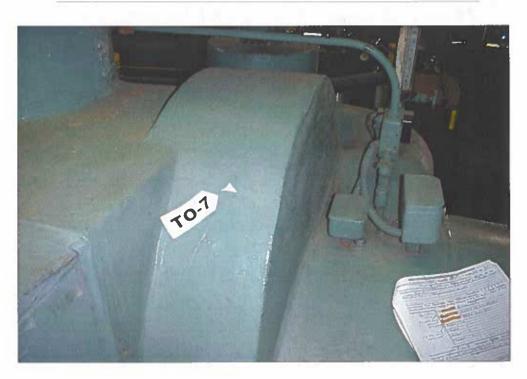
Page: Page 28 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Other TSI

120 -

Friable

Hazard Rank: 4

Homog. Area Description:

Insulation

Amount of Material:

~200 Square feet

Homog. Area Definition:

insulation on the chiller #4 on the second floor

Functional Space:

Mechanical

Sample Location:

Collected from the middle of cylinder.

Primary Analysis Results:

Chrysotile

2%

Secondary Analysis Results::

Chrysotile

27%

Less than 1% in the first layer

Report Number:

200035007

Page: Page 29 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Other TSI

7

119

Friable

Hazard Rank: 4

Homog. Area Description:

...

Insulation

Amount of Material:

~200 Square feet

Homog. Area Definition:

insulation on the chiller #4 on the second floor

Functional Space:

Mechanical

Sample Location:

Collected from the end cap

Primary Analysis Results:

Chrysotile

35%

Secondary Analysis Results::

0%

Other TSI

7

121

Friable

Hazard Rank: 4

Homog. Area Description:

Amount of Material:

Insulation

Homog. Area Definition:

~200 Square feet insulation on the chiller #4 on the second floor

Functional Space:

Mechanical

Sample Location:

Collected from the rear end cap of cylinder.

Primary Analysis Results:

Chrysotile

2%

Secondary Analysis Results::

Chrysotile

Page: Page 30 of 46 Report Number: 200035007 Date: July 12, 2000 Project Number: ACM-2000-01

Thermal System Insulation



Hazard Rank: 4 54 Friable **Pipe Insulation**

Homog. Area Description:

Pipe insulation ~600 linear feet

Amount of Material:

pipe insulation on the red steam pipes

Homog. Area Definition: Functional Space:

Mechanical

Sample Location:

Collected from Boiler #2.

Primary Analysis Results:

Chrysotile 40%

0%

Secondary Analysis Results::

Chrysotile

Second layer less than 1% Chrysotile

Report Number:

200035007

Page: Page 31 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Pipe Insulation 4

53

Friable

Hazard Rank: 4

Homog. Area Description:

Pipe insulation

Amount of Material:

~600 linear feet

Homog. Area Definition:

pipe insulation on the red steam pipes

Functional Space:

Mechanical

Sample Location:

Collected from Boiler #1.

Primary Analysis Results: Secondary Analysis Results::

Chrysotile

0%

Report Number: 200035007

Page: Page 32 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Pipe Insulation 5 - 60 - Friable Hazard Rank: 4

Homog. Area Description:

Orange Pipe run insulation

Amount of Material:

~200 linear feet

Homog. Area Definition:

In the plant area mainly on the north side of the building

Functional Space:

Public Area

Sample Location:

Collected from orange pipe run at overhead door

Primary Analysis Results: Secondary Analysis Results::

Chrysotile

Chrysotile

41% 0%

Less than 1% chrysotile in the second layer

Report Number:

200035007

5

Page: Page 33 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Pipe Insulation

61

Friable

Hazard Rank: 4

Homog. Area Description:

Orange Pipe run insulation

Amount of Material:

~200 linear feet

Homog. Area Definition:

In the plant area mainly on the north side of the building

Functional Space:

Public Area

Sample Location:

Collected from orange pipe run going into carrier unit at overhead door

Primary Analysis Results:

Chrysotile

45%

Secondary Analysis Results::

Chrysotile

0%

Less than 1% chrysotile in the second layer

Pipe Insulation

59

Friable

Hazard Rank: 4

Homog. Area Description:

Orange Pipe run insulation

Amount of Material:

~200 linear feet

Homog. Area Definition:

In the plant area mainly on the north side of the building

Functional Space:

Public Area

Sample Location:

Orange pipe run just inside overhead door

Primary Analysis Results:

Chrysotile

30%

Secondary Analysis Results::

Report Number:

200035007

Page: Page 34 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Pipe Insulation 8

- 77

Friable

Hazard Rank: 4

Homog. Area Description: Amount of Material:

Pipe insulation ~10 linear feet

Homog. Area Definition:

This material can be found on boiler #1.

Functional Space:

Mechanical

Sample Location:

Collected from tan pipe run at boiler #1.

Primary Analysis Results:

Chrysotile

60% 0%

Secondary Analysis Results::

Report Number:

200035007

Page: Page 35 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Pipe Insulation 8

78

Friable

Hazard Rank: 4

Homog. Area Description:

Pipe insulation

Amount of Material:

~10 linear feet

Homog. Area Definition:

This material can be found on boiler #1.

Functional Space:

Mechanical

Sample Location:

Collected from boiler #1.

Primary Analysis Results:

Chrysotile

24%

Secondary Analysis Results::

Chrysotile

0%

Less than 1% chrysotile in the second layer

Pipe Insulation

79

Friable

Hazard Rank: 4

Homog. Area Description:

Pipe insulation

Amount of Material:

~10 linear feet

Homog. Area Definition:

This material can be found on boiler #1.

Functional Space:

Mechanical

Sample Location:

Collected from boiler #1.

Primary Analysis Results:

Chrysotile

35%

Secondary Analysis Results::

Chrysotile

Report Number:

200035007

Page: Page 36 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Tank Insulation 1

89

Friable

Hazard Rank: 4

Homog. Area Description:

Tank insulation ~550 Square feet Amount of Material:

Homog. Area Definition:

Insulation on the tank right of boiler #1.

Functional Space: Sample Location:

Mechanical

Collected from the tank right of boiler #1.

Primary Analysis Results:

Chrysotile 25%

Secondary Analysis Results::

Report Number:

200035007

Page: Page 37 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Tank Insulation 1

90

Friable

Hazard Rank: 4

Homog. Area Description:

Tank insulation

Amount of Material:

~550 Square feet

Homog. Area Definition:

Insulation on the tank right of boiler #1.

Functional Space:

Mechanical

Sample Location:

Collected from the tank right of boiler #1.

Primary Analysis Results:

Chrysotile

2%

Secondary Analysis Results:: Chrysotile

Report Number:

200035007

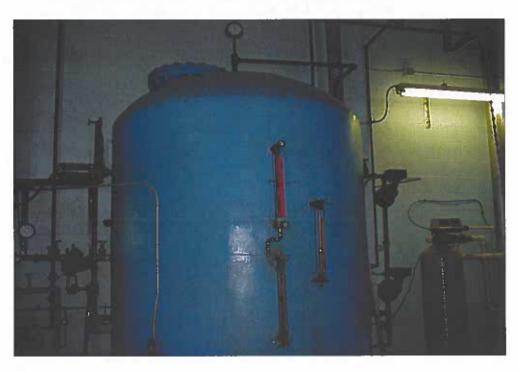
Page: Page 38 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Tank Insulation 2

93

Friable

Hazard Rank: 4

Homog. Area Description:

Amount of Material:

Homog. Area Definition:

Functional Space:

Sample Location:

Primary Analysis Results: Secondary Analysis Results:: Tank Insulation

~275 Square feet

Blue water tank on the north wall

Collected from the blue water tank

Mechanical

Chrysotile

2%

Chrysotile

0%

Less than 1% chrysotile in the first layer

Report Number:

200035007

Page: Page 39 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Tank Insulation 2

94

Friable

Hazard Rank: 4

Homog. Area Description:

Tank Insulation

Amount of Material:

~275 Square feet

Homog. Area Definition:

Blue water tank on the north wall

Functional Space:

Mechanical

Chrysotile

Sample Location:

Collected from the blue water tank

Primary Analysis Results:

3% 0%

Secondary Analysis Results::

Report Number:

200035007

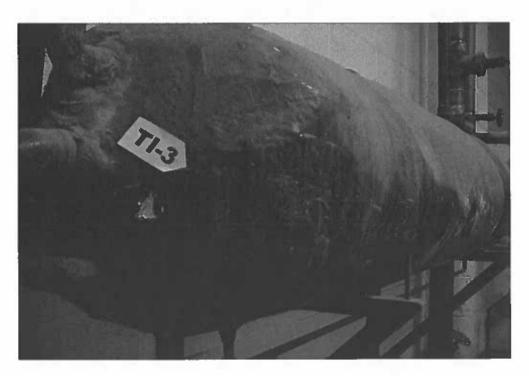
Page: Page 40 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Tank Insulation 3

107

Friable

Hazard Rank: 6

Homog. Area Description:

Amount of Material:

Homog. Area Definition:

Functional Space:

Sample Location:

Primary Analysis Results: Secondary Analysis Results::

Tank insulation

~24 Square feet

On the upper black tank on the west wall right of overhead door

Mechanical

Collected from left end cap of tank Chrysotile

10%

Report Number:

200035007

Page: Page 41 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Tank Insulation 3

109

Friable

Hazard Rank: 6

Homog. Area Description:

Tank insulation

Amount of Material:

~24 Square feet

Homog. Area Definition:

On the upper black tank on the west wall right of overhead door

Functional Space:

Mechanical

Chrysotile

Sample Location:

Collected from right end cap of tank

Primary Analysis Results:

3%

Secondary Analysis Results::

Report Number:

200035007

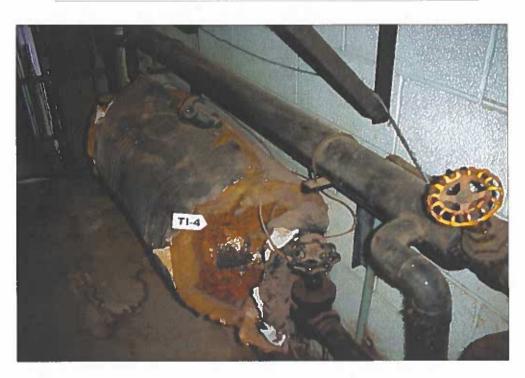
Page: Page 42 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation



Tank Insulation 4

110

Friable

Hazard Rank: 6

Homog. Area Description:

Amount of Material:

Homog. Area Definition:

Functional Space:

Sample Location:

Primary Analysis Results: Secondary Analysis Results:: Tank insulation

~18 Square feet

Insulation on lower tank on the west wall

Mechanical

Collected from left end cap of tank

Chrysotile

10% 0%

Report Number:

200035007

Page: Page 43 of 46

Project Number:

ACM-2000-01

Date: July 12, 2000

Thermal System Insulation

Tank Insulation 4

112

Friable

Hazard Rank: 6

Homog. Area Description:

Tank insulation

Amount of Material:

~18 Square feet

Homog. Area Definition:

Insulation on lower tank on the west wall

Functional Space:

Mechanical

Sample Location:

Collected from right end cap of tank

Primary Analysis Results:

Chrysotile Chrysotile 4%

Secondary Analysis Results::

Report Number: 200035007 Page: Page 44 of 46
Project Number: ACM-2000-01 Date: July 12, 2000

CONCLUSIONS AND RECOMMENDATIONS

CONCLUSION:

One hundred and twenty-seven (127) samples were collected from forty-one materials or homogenous materials or areas. Twenty-one 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 caulking referred to in this report as area MC-1. Three samples 20, 21, and 22 were taken and all three identified positive. This material can be found on all door frames. There is approximately 17 door frames containing this material.

The elbow insulation referred to in this report as area EW-1. Three samples 26, 27, and 28 were taken and all three identified positive. This material can be found above the ceilings in the office areas. There is approximately 20 elbows containing this material.

The elbow insulation referred to in this report as area EW-2. Three samples 32, 33, and 34 were taken and one, (32), identified positive. This material can be found throughout the machine area. There are approximately 30 elbows containing this material.

The elbow insulation referred to in this report as area EW-3. Three samples 41, 42, and 43 were taken and two, (42,43), were identified positive. This material can be found throughout the machine room area. There is approximately 75 elbows containing this material.

The elbow insulation referred to in this report as area EW-4. Three samples 47, 48, and 49 were taken and all three identified positive. This material can be found throughout the machine area. There is approximately 60 elbows containing this material.

The pipe insulation referred to in this report as area PR-4. Three samples 53, 54, and 55 were taken and two, (53,54), were identified positive. This material can be found throughout the north half of the machine room. There is approximately 600 linear feet of this material.

The elbow insulation referred to in this report as area EW-5. Three samples 56, 57, and 58 were taken and all three identified positive. This material can be found throughout the north half of the machine room. There is approximately 40 elbows containing this material.

The pipe insulation referred to in this report as area PR-5. Three samples 59, 60, and 61 were taken and all three identified positive. This material can be found throughout the machine shop area. There is approximately 200 linear feet of this material.

 Report Number:
 200035007
 Page:
 Page 45 of 46

 Project Number:
 ACM-2000-01
 Date:
 July 12, 2000

The elbow insulation referred to in this report as area EW-6. Three samples 62, 63, and 64 were taken and all three identified positive. This material can be found throughout the machine room area. There is approximately 16 elbows containing this material.

The elbow insulation referred to in this report as area EW-7. Three samples 68, 69, and 70 were and all three identified positive. This material can be found throughout the machine. There is approximately 15 elbows containing this material.

The pipe insulation referred to in this report as area PR-8. Three samples 77, 78, and 79 were taken and all three identified positive. This material can be found on two boilers in the machine area. There is approximately 10 linear feet of this material.

The elbow insulation referred to in this report as area EW-9. Three samples 80, 81, and 82 were taken and all three were identified positive. This material can be found on two boilers in the machine area. There is approximately 7 elbows containing this material.

The thermal insulation referred to in this report as area TO-3. Three samples 83, 84, and 85 were taken and two, (83,84), identified positive. This material can be found on two boiler stacks. There is approximately 650 square feet of this material.

The thermal insulation referred to in this report as area TO-4. Three samples 86, 87, and 88 were taken and all three identified positive. This material can be found on two boilers. There is approximately 72 square feet of this material.

The tank insulation referred to in this report as area TI-1. Three samples 89, 90, and 91 were taken and two, (89,90), were identified positive. This material can be found on first large tank right of boilers in the machine area. There is approximately 550 square feet of this material.

The tank insulation referred to in this report as area TI-2. Three samples 92, 93, and 94 were taken and two, (93, 94), were identified positive. This material can be found on the water tank near the north west corner of the machine area. There is approximately 275 square feet of this material.

The tank insulation referred to in this report as area TI-3. Three sample 107, 108, and 109 were taken and two, (107, 109), were identified positive. This material can be found on the tank located on the west wall, second floor. There is approximately 24 square feet of this material.

The tank insulation referred to in this report as area TI-4. Three samples 110, 111, and 112 were taken and two, (110, 112), were identified positive. This material can be found on the

Report Number: 200035007 Page: Page 46 of 46 Project Number: ACM-2000-01 Date: July 12, 2000

lower tank located on the west wall, second floor. There is approximately 18 square feet of this material.

The insulation referred to in this report as area TO-5. Three samples 113, 114, and 115 were taken and all three were identified positive. This material can be found on the chiller#5, main housing. There is approximately 200 square feet of this material.

The insulation referred to in this report as area TO-6. Three samples 116, 117, and 118 were taken and two, (116, 118), were identified positive. This material can be found on the chiller, "Mama Rod," components on its east side. There is approximately 60 square feet of this material.

The insulation referred to in this report as area TO-7. Three samples 119, 120, and 121 were taken and all three identified positive. This material can be found on the second floor of the machine room on the chiller #4, main housing. There is approximately 200 square feet of this material.

There are seventeen fire doors. These doors are assumed to contain asbestos. Any physical inspection to verify the presence of asbestos would compromise the integrity of these doors.

RECOMMENDATION:

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.

Homogeneous Area		Amount of Material	Type and Percof Asbestos Det	
Caulk	1	~17 doors		
Sample Number	20		Chrysotile	2%
				0%
Comments:				
Sample Number	21		Chrysotile	2%
			0,00	0%
Comments:				
Sample Number	22		Chrysotile	2%
			0.11,000.10	0%
Comments:				
Caulk	3			
Sample Number	96		Chrysotile	0%
				0%
Comments: Less th	nan 1% in th	e first layer		
Sample Number	97		Chrysotile	0%
			ý	0%
Comments: Less tl	nan 1% in th	ne first layer		

	Amount of Material		
1	~20 elbows		
26		Chrysotile	15%
			0%
27		Chrysotile	2%
			0%
28	25 10 10 10 10 10 10 10 10 10 10 10 10 10	Chrysotile	3%
		Cin, 50	0%
2	~30 elbows		
32		Chrysotile	20%
			0%
3	~75 elbows		
42		Chrysotile	12%
		Chrysotile	52%
43		Chrysotile	13%
		Chrysotile	50%
		-	
	26 27 28 3 3 42	1 ~20 elbows 26 27 28 2 ~30 elbows 32 3 ~75 elbows 42	1 ~20 elbows 26 Chrysotile 27 Chrysotile 2 ~30 elbows 3 ~75 elbows 42 Chrysotile Chrysotile 43 Chrysotile

Homogeneous Area		Amount of Material	Type and Peroof Asbestos De	
Elbow Wrap	4	~60 elbows		
Sample Number	47		Chrysotile	25%
				0%
Comments:				
Sample Number	48		Chrysotile	15%
			Chrysotile	0%
* Comments: Less th	an 1% chry	sotile in second layer	,	
Sample Number	49	Vic	Chrysotile	58%
			Chrysotile	30%
Comments:			012,001110	
Elbow Wrap	5	~40 elbows		
Sample Number	56		Chrysotile	30%
			·	0%
Comments:				
Sample Number	57		Chrysotile	30%
			Chrysotile	0%
Comments: Less th	an 1%, sec	ond layer	- Was = -	
Sample Number	58		Chrysotile	35%
			Chrysotile	10%
Comments:				

Homogeneous Area		Amount of Material	Type and Perof Asbestos De	
Elbow Wrap	6	~16 elbows		
Sample Number	62		Chrysotile	60%
				0%
Comments:				
Sample Number	63		Chrysotile	49%
			Chrysotile	3%
Comments:				
Sample Number	64	13.4	Chrysotile	14%
			Chrysotile	0%
Comments: Less th	nan 1% chry	ysotile in the second layer	,	
Elbow Wrap	7	~15 elbows		
Sample Number	68		Chrysotile	35%
			*	0%
Comments:				
Sample Number	69		Chrysotile	18%
			•	0%
Comments:				
Sample Number	70		Chrysotile	18%
			Chrysotile	0%
Camananta, I aaa ti	han 10/ ahm	ysotile in the second layer	-	

Homogeneous Area	Amount of Material	Type and Peroof Asbestos Det	
Elbow Wrap 9	~7 elbows		
Sample Number 80		Chrysotile	60%
			0%
Comments:			
Sample Number 81		Chrysotile	78%
		Chrysotile	5%
Comments:			
Sample Number 82		Chrysotile	74%
		Cinysotile	0%
Comments:			
Other Miscellaneous 1			
Sample Number 17		Chrysotile	0%
		·	0%
Comments: Less than 1% ch	rysotile		
Sample Number 18		Anthophyllite	0%
			0%
Comments: Less than 1% an	thophyllite		
Sample Number 19		Anthophyllite	0%
		• •	0%
Comments: Less than 1% an	thonhyllite		

Homogeneous Area		Amount of Material	Type and Percof Asbestos Det	
Other Surfacing	1			
Sample Number	13		Chrysotile	0% 0%
Comments: Less th	an 1% chrysotile	;		076
Sample Number	14		Chrysotile	0% 0%
Comments: Less th	an 1% chrysotile	•		
Sample Number	15		Chrysotile	0% 0%
Comments: Less th	an 1% chrysotile			
Sample Number	16		Chrysotile	0% 0%
Comments: Less th	nan 1% chrysotile			
Other TSI	3	~650 Square feet		
Sample Number	83		Chrysotile	60% 0%
Comments:				
Sample Number	84		Chrysotile	20%
a			Chrysotile	10%
Comments:				

Homogeneous Area		Amount of Material	Type and Peroof Asbestos Det	
Other TSI	4	~72 Square feet		
Sample Number	86		Chrysotile	25%
				0%
Comments:				
Sample Number	87		Chrysotile	4%
			Chrysotile	28%
Comments:			·	
Sample Number	88		Chrysotile	36%
			Chrysotile	0%
Comments: Less th	nan 1% chry	sotile in the first layer		
Other TSI	5	~200 Square feet		
Sample Number	113	75	Chrysotile	30%
			·	0%
Comments:				
Sample Number	114		Chrysotile	2%
			Chrysotile	48%
Comments: 2% ch	rysotile also	detected in the third layer.		
Sample Number	115		Chrysotile	26%
			Chrysotile	0%
Comments: less th	an 1% chrvs	sotile detected in the second an	d third lavers	

Homogeneous Area		Amount of Material	Type and Peroof Asbestos De	
Other TSI	6	~60 Square feet		
Sample Number	116		Chrysotile	30% 0%
Comments:				
Sample Number	118		Chrysotile	32%
			Chrysotile	0%
Comments: Less th	nan 1% asb	estos was found in the first layer	*	
Other TSI	7	~200 Square feet		
Sample Number	119		Chrysotile	35%
				0%
Comments:				
Sample Number	120		Chrysotile	2%
			Chrysotile	27%
Comments: Less th	han 1% in t	he first layer		
Sample Number	121		Chrysotile	2%
			Chrysotile	34%
Comments:			, = = ===	

Homogeneous Area		Amount of Material	Type and Perof Asbestos De	
Pipe Insulation	4	~600 linear feet		
Sample Number	53		Chrysotile	30%
				0%
Comments:				
Sample Number	54		Chrysotile	40%
			Chrysotile	0%
Comments: Secon	d layer less	than 1% Chrysotile		
Pipe Insulation	5	~200 linear feet		
Sample Number	59		Chrysotile	30%
			·	0%
Comments:				
Sample Number	60		Chrysotile	41%
			Chrysotile	0%
Comments: Less t	han 1% chr	ysotile in the second layer	•	
Sample Number	61		Chrysotile	45%
			Chrysotile	0%
Comments: Less t	han 1% chr	ysotile in the second layer		

Homogeneous Area		Amount of Material	Type and Perof Asbestos De	
Pipe Insulation	8	~10 linear feet		
Sample Number	77		Chrysotile	60%
				0%
Comments:				
Sample Number	78	11.10	Chrysotile	24%
			Chrysotile	0%
Comments: Less th	nan 1% chry	sotile in the second layer	•	
Sample Number	79		Chrysotile	35%
			Chrysotile	2%
Comments:				
Tank Insulation	1	~550 Square feet		
Sample Number	89		Chrysotile	25%
			·	0%
Comments:				
Sample Number	90		Chrysotile	2%
			Chrysotile	40%
Comments:				

Homogeneous Area		Amount of Material	Type and Percof Asbestos Det	
Tank Insulation	2	~275 Square feet		
Sample Number	93	NA	Chrysotile	2%
			Chrysotile	0%
Comments: Less the	han 1% chry	sotile in the first layer		
Sample Number	94		Chrysotile	3%
				0%
Comments:				
Tank Insulation	3	~24 Square feet		
Sample Number	107		Chrysotile	10%
			·	0%
Comments:				
Sample Number	109		Chrysotile	3%
			0111,004114	0%
Comments:				
Fank Insulation	4	~18 Square feet		
Sample Number	110		Chrysotile	10%
			03.2, 000.20	0%
Comments:				
Sample Number	112		Chrysotile	4%
			Chrysotile	2%
Comments:			y	

HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University Page 1 of 34 Date: July 12, 2000 Regarding: Central Plant Report Number: 200035007 3410 Taft Boulevard Field Number -Lab number-Homogeneous Area Name 20 MC-1-20 Caulk 1 Lab Sample #: Miscellaneous Material Material Category: Door frame caulk Homog. Area Description: Condition: Accessible Collected from left side of the door in chemical Collection Location: storage Chrysotile Asbestos Type / Percent: 2% Asbestos Type / Percent: 0% Page Number 2 of 2 of Report #CAL00051304 Analysis Lab: Crisp Analytical Lab 22 22 Caulk 1 Lab Sample #: Miscellaneous Material Material Category: Door frame caulk Homog. Area Description: Accessible Condition: Collected from right side of door in reception room Collection Location: Chrysotile 2% **Asbestos Type / Percent:** 0% Asbestos Type / Percent: Page Number 3 of 3 of Report #CAL00051306 Analysis Lab: Crisp Analytical Lab 21 Caulk 1 21 Lab Sample #: Miscellaneous Material Material Category: Homog. Area Description: Door frame caulk Condition: Accessible Collected from right side of testing room door Collection Location: Chrysotile 2% **Asbestos Type / Percent: Asbestos Type / Percent:** 0% Page Number 3 of 3 of Report #CAL00051306 Analysis Lab: Crisp Analytical Lab MC-3-97 Caulk 3 97 Lab Sample #: Miscellaneous Material Material Category: Window caulking Homog. Area Description: Condition: Accessible Collected from the vent window on the east wall Collection Location: Chrysotile 0% Asbestos Type / Percent:

Page Number 14 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Asbestos Type / Percent:

0%

Less than 1% in the first layer

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.

HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University Page 2 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Taft Boulevard Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number -

Lab Sample #: MC-3-96 - Caulk - 3 96

Material Category: Miscellaneous Material

Homog. Area Description: Window caulking

Condition: Accessible

Collection Location: Collected from the vent window on the second floor

Asbestos Type / Percent: Chrysotile 0%
Asbestos Type / Percent: 0%

Less than 1% in the first layer

Page Number 14 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 95 - Caulk - 3 95

Material Category: Miscellaneous Material

Material Category: Miscellaneous Material
Homog. Area Description: Window caulking

Homog. Area Description: Window caulking Condition: Accessible

Collection Location: Collected from the vent window on the south wall

Asbestos Type / Percent: No Asbestos Detected 0%

Asbestos Type / Percent: 0%

Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 98 - Caulk - 4 98

Lab Sample #: 90 - Cauk - 4 90

Material Category: Miscellaneous Material Homog. Area Description: Pipe caulk

Page Number 2 of 3 of Report #004750

Homog. Area Description: Pipe caulk
Condition: Accessible

Collected from silver drain line going through wall

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Analysis Lab:

Asbestos Type / Percent: 0%

Lab Sample #: MC-4-100 - Caulk - 4 100

Material Category: Miscellaneous Material

Homog. Area Description: Pipe caulk
Condition: Accessible

Collection Location: Collected from yellow line going through south wall

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Page Number 14 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Prepared for: Midwestern State University Page 3 of 34 Date: July 12, 2000 Regarding: Central Plant Report Number: 200035007 3410 Taft Boulevard Field Number -Lab number-Homogeneous Area Name 99 MC-4-99 Caulk Lab Sample #: Miscellaneous Material Material Category: Homog. Area Description: Pipe caulk Accessible Condition: Collected from yellow gas line going through wall Collection Location: No Asbestos Detected 0% Asbestos Type / Percent: 0% Asbestos Type / Percent: Analysis Lab: Crisp Analytical Lab Page Number 14 of 19 of Report #CAL00041197 8 Ceiling Tile 1 Lab Sample #: Miscellaneous Material Material Category: 2' x 4' white Ceiling tile with fractured pattern Homog. Area Description: Condition: Unaccessible Collected from wall #1 in testing room Collection Location: No Asbestos Detected 0% Asbestos Type / Percent: Asbestos Type / Percent: 0% Analysis Lab: Crisp Analytical Lab Page Number 1 of 3 of Report #CAL00051306 MCT-1-6 Ceiling Tile 6 Lab Sample #: Miscellaneous Material Material Category: 2' x 4' white Ceiling tile with fractured pattern Homog. Area Description: Unaccessible Condition: Collected from wall #1, break room Collection Location: No Asbestos Detected 6% Asbestos Type / Percent: 0% Asbestos Type / Percent: Analysis Lab: Crisp Analytical Lab Page Number 1 of 2 of Report #CAL00051304 7 Ceiling Tile 1 Lab Sample #: Miscellaneous Material Material Category: 2' x 4' white Ceiling tile with fractured pattern Homog. Area Description: Unaccessible Condition: Collected from wall #1 in chemical storage Collection Location:

Page Number 1 of 3 of Report #CAL00051306 Analysis Lab: Crisp Analytical Lab

No Asbestos Detected 0%

Asbestos Type / Percent: Asbestos Type / Percent:

Prepared for: Midwestern State University Page 4 of 34

Date: July 12, 2000 Regarding: Central Plant

Report Number: 200035007

3410 Taft Boulevard Lab number-Homogeneous Area Name Field Number -MCT-2-9 Ceiling Tile 2 9 Lab Sample #: Miscellaneous Material Material Category: Ceiling tile 2x4 Homog. Area Description: Condition: Unaccessible Collected from office #103 at room center Collection Location: No Asbestos Detected 0% Asbestos Type / Percent: Asbestos Type / Percent: 0% Page Number 1 of 2 of Report #CAL00051304 Analysis Lab: Crisp Analytical Lab 10 Ceiling Tile 2 10 Lab Sample #: Miscellaneous Material Material Category: Homog. Area Description: Ceiling tile 2x4 Unaccessible Condition: Collected from office 103, near wall 2 Collection Location: No Asbestos Detected 0% Asbestos Type / Percent: 0% Asbestos Type / Percent: Page Number 2 of 3 of Report #CAL00051306 Analysis Lab: Crisp Analytical Lab 11 Ceiling Tile 2 Lab Sample #: 11 Miscellaneous Material Material Category: Homog. Area Description: Ceiling tile 2x4 Unaccessible Condition: Collected from office 103, near wall 2 Collection Location: No Asbestos Detected 0% Asbestos Type / Percent: 0% Asbestos Type / Percent:

Analysis Lab: Crisp Analytical Lab Page Number 2 of 3 of Report #CAL00051306

Elbow Wrap 27 27 1 Lab Sample #:

Thermal System Insulation Material Category:

White Elbow wrap (fitting) insulation Homog. Area Description:

Accessible Condition:

Collected from above the drop ceiling in the control Collection Location:

office wall #3.

Chrysotile 2% Asbestos Type / Percent:

0% Asbestos Type / Percent:

Analysis Lab: Crisp Analytical Lab Page Number 1 of 19 of Report #CAL0004197

Prepared for: Midwestern State University

Page 5 of 34

Regarding:

Central Plant

Date: July 12, 2000

3410 Ta	ft Boulev	ard		Report	Number:	200035007
Lab	number-	Homogeneo	us Area Name	-	Field	Number -
Lab Sample #:	26	-	Elbow Wrap	-	1	26
Material Category: Homog. Area Description: Condition: Collection Location:	White Acces Colle	e Elbow wra ssible	Insulation ap (fitting) above the dr			the control
Asbestos Type / Percent:	Chryso	tile	15			
Asbestos Type / Percent:			0%			
Asbestos Type / Percent: Page Number 1 of 3 of 1	Report #004	1750	0% Analysis Lab: Q	uest Micro	Analytics,	Inc.
	Report #004	1 750		uest Micro	Analytics,	Inc. 28
Page Number 1 of 3 of 1 Lab Sample #: Material Category: Homog. Area Description:	28 Therr	- nal System e Elbow wra	Analysis Lab: Qu	-	1	
Page Number 1 of 3 of 1 Lab Sample #: Material Category:	28 Therr White	- mal System e Elbow wra	Analysis Lab: Question Elbow Wrap Insulation ap (fitting) above the dr	- insulat	1 cion	28
Page Number 1 of 3 of 1 Lab Sample #: Material Category: Homog. Area Description: Condition:	28 Therr White	- mal System e Elbow wra ssible ected from ce wall #3	Analysis Lab: Question Elbow Wrap Insulation ap (fitting) above the dr	- insulat	1 cion	28

Elbow Wrap - 2 34 34 Lab Sample #:

Material Category: Homog. Area Description: Thermal System Insulation Pipe Elbow Fittings, Blue

Condition:

Accessible

Collection Location:

Collected from the chiller #1, at 1st elbow.

Asbestos Type / Percent:

No Asbestos Detected 0%

Asbestos Type / Percent:

0%

Page Number 2 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Prepared for: Midwestern State University Page 6 of 34

Central Plant Date: July 12, 2000 Regarding:

> 3410 Taft Boulevard Report Number: 200035007

Lab number-Homogeneous Area Name Field Number -Elbow Wrap 32 32 2 Lab Sample #:

Thermal System Insulation Material Category:

Pipe Elbow Fittings, Blue Homog. Area Description:

Condition:

Accessible

Collected from a fitting on chiller #5, next to the Collection Location:

yellow stairs at the 1st elbow.

Chrysotile Asbestos Type / Percent: 20

0% Asbestos Type / Percent:

Analysis Lab: Quest MicroAnalytics, Inc. Page Number 1 of 3 of Report #004750

33 Elbow Wrap 2 33 Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Pipe Elbow Fittings, Blue

Condition: Accessible

Collected from the chiller #3, at 1st elbow. Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent: 0% **Asbestos Type / Percent:**

Analysis Lab: Crisp Analytical Lab Page Number 2 of 19 of Report #CAL00041197

43 Elbow Wrap 3 43 Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Elbow fitting insulation, Blue

Accessible Condition:

Collected from a fitting on the 2nd floor south wall Collection Location:

by window next to valve.

Chrysotile 13 Asbestos Type / Percent: Chrysotile 50 Asbestos Type / Percent:

Analysis Lab: Crisp Analytical Lab Page Number 4 of 19 of Report #CAL00041197

Prepared for: Midwestern State University

Page 7 of 34

Regarding:

Central Plant

Date: July 12, 2000

3410 Taft Boulevard

Report Number: 200035007

Lab number-Homogeneous Area Name Field Number -

Lab Sample #:

42

Elbow Wrap

42

Material Category:

Thermal System Insulation

Homog. Area Description:

Elbow fitting insulation, Blue

Condition:

Accessible

Collection Location:

Collected from fitting on the 2nd floor south wall by

window above head.

Asbestos Type / Percent:

Chrysotile

Asbestos Type / Percent:

Chrysotile

52

Page Number 4 of 19 of Report #CAL00041197

Analysis Lab: Crisp Analytical Lab

Lab Sample #:

41

Elbow Wrap

3

41

Material Category:

Homog. Area Description:

Thermal System Insulation Elbow fitting insulation, Blue

Condition:

Accessible

Collection Location:

Collected from a fitting at the west wall above the

door on the elbow 20' up.

Asbestos Type / Percent:

Asbestos Type / Percent:

No Asbestos Detected 0% 0%

Page Number 1 of 3 of Report #004750

Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #:

47

Elbow Wrap

47

Material Category:

Homog. Area Description:

Thermal System Insulation Pipe insulation, Green

Condition:

Accessible

Collection Location:

Collected from elbow on chilled water tank

Asbestos Type / Percent: **Asbestos Type / Percent:**

Chrysotile

25 0%

Page Number 1 of 3 of Report #004750

Analysis Lab: Quest MicroAnalytics, Inc.

Prepared for: Midwestern State University

Page 8 of 34

Regarding:

Central Plant

Date: July 12, 2000

3410 Taft Boulevard

Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number -

Lab Sample #:

EW-4-48

Elbow Wrap

4

48

Material Category:

Thermal System Insulation Pipe insulation, Green

Homog. Area Description: Condition:

Accessible

Collection Location:

Collected from elbow on north wall near make up tank

Asbestos Type / Percent:

Chrysotile

15 0%

Asbestos Type / Percent:

Chrysotile

Less than 1% chrysotile in second layer

Page Number 5 of 19 of Report #CAL00041197

Analysis Lab: Crisp Analytical Lab

Lab Sample #:

EW-4-49

Elbow Wrap

4

49

Material Category:

Thermal System Insulation Pipe insulation, Green

Homog. Area Description: Condition:

Accessible

Collection Location:

Collected from elbow on south wall near floor by valve

Asbestos Type / Percent:

Chrysotile

58

Asbestos Type / Percent:

Chrysotile

30

Page Number 5 of 19 of Report #CAL00041197

Analysis Lab: Crisp Analytical Lab

Lab Sample #:

EW-5-57

Elbow Wrap

5

57

Material Category:

Thermal System Insulation

Homog. Area Description:

Elbow insulation

Condition:

Accessible

Collection Location:

Collected from Above boiler #3.

Asbestos Type / Percent:

Chrysotile

30

Asbestos Type / Percent:

Chrysotile

0%

Less than 1%, second layer

Page Number 6 of 19 of Report #CAL00041197

Analysis Lab: Crisp Analytical Lab

Lab Sample #:

EW-5-58

Elbow Wrap

5

58

Material Category:

Thermal System Insulation

Homog. Area Description:

Elbow insulation

Condition:
Collection Location:

Accessible

Collected at large gate valve in front of boiler #3.

Asbestos Type / Percent:

Chrysotile

35

Asbestos Type / Percent:

Chrysotile

10

Page Number 7 of 19 of Report #CAL00041197

Analysis Lab: Crisp Analytical Lab

Prepared for: Midwestern State University Page 9 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Taft Boulevard Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number -

Lab Sample #: 56 - Elbow Wrap - 5 56

Material Category: Thermal System Insulation

Homog. Area Description: Elbow insulation

Condition: Accessible

Collection Location: Collected from large red elbow above boiler #2.

Asbestos Type / Percent: Chrysotile 30
Asbestos Type / Percent: 0%

Page Number 2 of 3 of Report #0004750 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: EW-6-64 - Elbow Wrap - 6 64

Material Category: Thermal System Insulation

Homog. Area Description: Elbow insulation

Condition: Accessible

Collection Location: Elbow coming from #61

Asbestos Type / Percent: Chrysotile 14
Asbestos Type / Percent: Chrysotile 0%

Less than 1% chrysotile in the second layer

Page Number 7 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 62 - Elbow Wrap - 6 62

Material Category: Thermal System Insulation

Homog. Area Description: Elbow insulation

Condition: Accessible

Collection Location: Collected from orange elbow at 2 ton hoist

Asbestos Type / Percent: Chrysotile 60

Asbestos Type / Percent: 0%

Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: EW-6-63 - Elbow Wrap - 6 63

Zun Sumpre III

Material Category: Thermal System Insulation

Homog. Area Description: Elbow insulation

Condition: Accessible

Collection Location: Collected from lower orange elbow at 2 ton hoist

Asbestos Type / Percent: Chrysotile 49
Asbestos Type / Percent: Chrysotile 3%

Page Number 7 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Prepared for: Midwestern State University Page 10 of 34

Regarding: Central Plant Date: July 12, 2000

> 3410 Taft Boulevard Report Number: 200035007

Field Number -Lab number-Homogeneous Area Name

EW-7-70 Elbow Wrap 7 70 Lab Sample #:

Thermal System Insulation Material Category:

Elbow insulation, gray Homog. Area Description:

Condition: Accessible

Collected from the pipe run elbow near the center Collection Location:

aisle in the machine shop next to the loudspeakers Chrysotile **Asbestos Type / Percent:** 18

Asbestos Type / Percent: Chrysotile 0%

Less than 1% chrysotile in the second layer

Analysis Lab: Crisp Analytical Lab Page Number 8 of 19 of Report #CAL00041197

EW-7-69 69 Elbow Wrap 7 Lab Sample #:

Thermal System Insulation Material Category: Elbow insulation, gray

Homog. Area Description:

Condition: Accessible

Collected from the same area as #68 Collection Location:

Chrysotile Asbestos Type / Percent: 18 Asbestos Type / Percent: **11%**

Page Number 8 of 19 of Report #CAL00041197

Elbow Wrap 7 68 68 Lab Sample #:

Thermal System Insulation Material Category: Elbow insulation, gray Homog. Area Description:

Accessible Condition:

Asbestos Type / Percent:

Collected from gray elbow at the right side of the 2-Collection Location:

Analysis Lab: Crisp Analytical Lab

ton hoist Chrysotile 35 Asbestos Type / Percent:

0%

Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Prepared for: Midwestern State University Page 11 of 34

Date: July 12, 2000 Regarding: Central Plant

> 3410 Taft Boulevard Report Number: 200035007

Field Number -Lab number-Homogeneous Area Name EW-8-76 Elbow Wrap 76 Lab Sample #: Thermal System Insulation Material Category: Elbow insulation, white, tan Homog. Area Description: Accessible Condition: Collected from boiler #2. Collection Location: No Asbestos Detected 0% **Asbestos Type / Percent:** 0% Asbestos Type / Percent: Page Number 9 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab EW-8-75 **75** Elbow Wrap Lab Sample #: 8 Thermal System Insulation Material Category:

Elbow insulation, white, tan Homog. Area Description:

Condition: Accessible

Collected from elbow at boiler #1. Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent:

Asbestos Type / Percent: 0%

Page Number 9 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

74 Elbow Wrap 74 Lab Sample #:

Thermal System Insulation Material Category:

Elbow insulation, white, tan Homog. Area Description:

Accessible Condition: Collected from elbow at boiler #1. Collection Location:

No Asbestos Detected 0%

Asbestos Type / Percent: **Asbestos Type / Percent:** 0%

Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

81 EW-9-81 Elbow Wrap Lab Sample #:

Thermal System Insulation Material Category: Elbow insulation, white, tan, old Homog. Area Description:

Accessible

Condition: Collected from elbow on boiler #1.

Collection Location:

Chrysotile Asbestos Type / Percent: 78 Chrysotile **Asbestos Type / Percent:** 5%

Page Number 11 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Prepared for: Midwestern State University Page 12 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Taft Boulevard Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number
Lab Sample #: 80 - Elbow Wrap - 9 80

Material Category: Thermal System Insulation

Homog. Area Description: Elbow insulation, white, tan, old

Condition: Accessible

Collection Location: Collected from elbow on boiler #1.

Asbestos Type / Percent: Chrysotile 60
Asbestos Type / Percent: 0%

Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: EW-9-82 - Elbow Wrap - 9 82

Material Category: Thermal System Insulation

Homog. Area Description: Elbow insulation, white, tan, old

Condition: Accessible

Collection Location: Collected from elbow on boiler #2.

Asbestos Type / Percent: Chrysotile 74

Asbestos Type / Percent: 0%

Page Number 11 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: MFC-1-25 - Flex Connector - 1 25

Material Category: Miscellaneous Material

Homog. Area Description: Vibration boot
Condition: Unaccessible

Collection Location: Collected from above south door in plant

Asbestos Type / Percent: No Asbestos Detected 0%

Asbestos Type / Percent: 0%

Page Number 1 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: MFC-1-24 - Flex Connector - 1 24

Material Category: Miscellaneous Material

Material Category: Miscellaneous Material
Homog. Area Description: Vibration boot

Condition: Unaccessible

Collection Location: Collected from above south door in plant

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Page Number 1 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Page 13 of 34 Prepared for: Midwestern State University Regarding: Central Plant Date: July 12, 2000 Report Number: 200035007 3410 Taft Boulevard Field Number -Lab number-Homogeneous Area Name 23 Flex Connector 1 23 Lab Sample #: Miscellaneous Material Material Category: Vibration boot Homog. Area Description: Unaccessible Condition: Collection Location: Collected from above south door in plant No Asbestos Detected 0% Asbestos Type / Percent: **Asbestos Type / Percent:** 0% Page Number 1 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc. Other Miscellaneous MO-1-17 17 Lab Sample #: Miscellaneous Material Material Category: Homog. Area Description: Blue cove base Condition: Unaccessible Collected from office #103 entry Collection Location: Chrysotile 0% Asbestos Type / Percent: Asbestos Type / Percent: 0% Less than 1% chrysotile Page Number 1 of 2 of Report #CAL00051304 Analysis Lab: Crisp Analytical Lab 18 18 Other Miscellaneous Lab Sample #: Miscellaneous Material Material Category: Blue cove base Homog. Area Description: Unaccessible Condition: Collection Location: Collected from conference room entry **Anthophyllite** 0% Asbestos Type / Percent: 0% Asbestos Type / Percent: Less than 1% anthophyllite Page Number 3 of 3 of Report #CAL00051306 Analysis Lab: Crisp Analytical Lab 19 19 Other Miscellaneous 1 Lab Sample #: Miscellaneous Material Material Category: Homog. Area Description: Blue cove base Unaccessible Condition: Collected from conference room, wall #4 Collection Location: Anthophyllite 0% Asbestos Type / Percent: 0% **Asbestos Type / Percent:**

Page Number 3 of 3 of Report #CAL00051306

Less than 1% anthophyllite

Analysis Lab: Crisp Analytical Lab

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.

HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University Page 14 of 34

Date: July 12, 2000 Regarding: Central Plant

> 3410 Taft Boulevard Report Number: 200035007

Field Number -Homogeneous Area Name Lab number-

106 MO-2-106 Other Miscellaneous Lab Sample #:

Miscellaneous Material Material Category:

Homog. Area Description: Cove base, green

Accessible Condition:

Collected from west exterior wall, right side of Collection Location:

junction box

No Asbestos Detected 0% **Asbestos Type / Percent:**

Asbestos Type / Percent: 0%

Analysis Lab: Crisp Analytical Lab Page Number 14 of 19 of Report #CAL0004197

105 MO-2-105 Other Miscellaneous 2 Lab Sample #:

Miscellaneous Material Material Category:

Cove base, green Homog. Area Description:

Accessible Condition:

Collected from west exterior wall under fire exit sign Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent:

0% Asbestos Type / Percent:

Page Number 14 of 19 of Report #CAL0004197 Analysis Lab: Crisp Analytical Lab

Other Miscellaneous 104 2 104 Lab Sample #:

Miscellaneous Material Material Category:

Cove base, green Homog. Area Description:

Accessible Condition:

Collected from west exterior wall of break room Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent:

Asbestos Type / Percent: 0%

Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

15 Other Surfacing 1 15 Lab Sample #:

Surfacing Material Material Category:

Homog. Area Description: Floor laminate Accessible Condition:

Collected from mezzanine near chiller #1 Collection Location:

Chrysotile

Asbestos Type / Percent: 0% 0% Asbestos Type / Percent:

Less than 1% chrysotile

Page Number 2 of 3 of Report #CAL00051306 Analysis Lab: Crisp Analytical Lab

Prepared for: Midwestern State University Page 15 of 34 Date: July 12, 2000 Regarding: Central Plant 3410 Taft Boulevard Report Number: 200035007 Field Number -Lab number-Homogeneous Area Name Other Surfacing 16 16 Lab Sample #: Material Category: Surfacing Material Homog. Area Description: Floor laminate Accessible Condition: Collected from mezzanine at door to lockers Collection Location: Chrysotile 0% Asbestos Type / Percent: 0% Asbestos Type / Percent: Less than 1% chrysotile Page Number 2 of 3 of Report #CAL00051306 Analysis Lab: Crisp Analytical Lab 13 Other Surfacing 13 1 Lab Sample #: Surfacing Material Material Category: Homog. Area Description: Floor laminate Accessible Condition: Collected from front entry door Collection Location: Chrysotile Asbestos Type / Percent: 0% Asbestos Type / Percent: 0% Less than 1% chrysotile Page Number 2 of 3 of Report #CAL00051306 Analysis Lab: Crisp Analytical Lab 14 14 Other Surfacing 1 Lab Sample #: Surfacing Material Material Category: Floor laminate Homog. Area Description: Accessible Condition: Collected from first floor wall #3 Collection Location: Chrysotile 0% Asbestos Type / Percent: 0% Asbestos Type / Percent: Less than 1% chrysotile Analysis Lab: Crisp Analytical Lab Page Number 2 of 3 of Report #CAL00051306 SO-1-12 Other Surfacing 12 1 Lab Sample #: Surfacing Material Material Category: Floor laminate Homog. Area Description: Condition: Accessible Collected from plant area near chiller #4 Collection Location:

Page Number 1 of 2 of Report #00051304 Analy

Asbestos Type / Percent:

Asbestos Type / Percent:

Analysis Lab: Crisp Analytical Lab

0%

No Asbestos Detected 0%

Page 16 of 34 Prepared for: Midwestern State University

Date: July 12, 2000 Regarding: Central Plant

Report Number: 200035007

3410 Taft Boulevard Field Number -Lab number-Homogeneous Area Name Other TSI 36 36 Lab Sample #: Material Category: Thermal System Insulation Homog. Area Description: Valve Insulation, Blue Accessible Condition: Collected from the chiller #3 at 1st valve. Collection Location: No Asbestos Detected 0% **Asbestos Type / Percent: Asbestos Type / Percent:** Page Number 3 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab 37 Other TSI 37 Lab Sample #: 1 Thermal System Insulation Material Category: Valve Insulation, Blue Homog. Area Description: Condition: Accessible Collected from the chiller #1 at 1st valve. Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent:

0% Asbestos Type / Percent:

Analysis Lab: Crisp Analytical Lab Page Number 3 of 19 of Report #CAL00041197

Other TSI 35 35 1 Lab Sample #:

Thermal System Insulation Material Category: Valve Insulation, Blue Homog. Area Description:

Accessible Condition:

Collected from the chiller #5 at 1st valve. Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent: 0% Asbestos Type / Percent:

Page Number 1 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

44 Other TSI 44 Lab Sample #:

Thermal System Insulation Material Category:

Blue insulation of connectors, old material Homog. Area Description:

Condition:

Collected from water pump #1 below valve on supply Collection Location:

line.

No Asbestos Detected 0% Asbestos Type / Percent: 0% Asbestos Type / Percent:

Analysis Lab: Quest MicroAnalytics, Inc. Page Number 1 of 3 of Report #004750

ESESIS and NORTH AMERICAN ANALYTICAL LABS Inc.

HOMOGENEOUS AREA REPORT

Prepared for: Midwestern State University Page 17 of 34

Regarding: Central Plant Date: July 12, 2000

> Report Number: 200035007 3410 Taft Boulevard

Field Number -Lab number-Homogeneous Area Name Other TSI 46 46 Lab Sample #: Thermal System Insulation Material Category: Blue insulation of connectors, old material Homog. Area Description: Accessible Condition: Collected from the water pump #3 below valve on Collection Location: supply line. No Asbestos Detected 0% **Asbestos Type / Percent:** 0% **Asbestos Type / Percent:** Page Number 4 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

45 Other TSI 2 45 Lab Sample #:

Thermal System Insulation Material Category:

Blue insulation of connectors, old material Homog. Area Description:

Condition: Accessible

Collected from the water pump #2 below valve on Collection Location: supply line.

No Asbestos Detected 0% Asbestos Type / Percent:

Page Number 4 of 19 of Report #CAL00041197

Asbestos Type / Percent: 0%

Analysis Lab: Crisp Analytical Lab

Other TSI 83 83 3 Lab Sample #:

Thermal System Insulation Material Category: Homog. Area Description: Insulation

Accessible Condition:

Collected from stack of boiler #1. Collection Location:

Chrysotile 60 Asbestos Type / Percent: 0% Asbestos Type / Percent:

Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Prepared for: Midwestern State University Page 18 of 34

Regarding: Central Plant Date: July 12, 2000

> 3410 Taft Boulevard Report Number: 200035007

Field Number -Lab number-Homogeneous Area Name TO-3-85 Other TSI 3 85 Lab Sample #: Thermal System Insulation Material Category: Homog. Area Description: Insulation Accessible Condition: Collected from stack of boiler #3. Collection Location: No Asbestos Detected 0% Asbestos Type / Percent: Asbestos Type / Percent: 0%

Page Number 11 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

TO-3-84 Other TSI 84 3 Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Insulation Condition: Accessible

Collected from stack of boiler #2. Collection Location:

Chrysotile Asbestos Type / Percent: 20 Chrysotile Asbestos Type / Percent: 10

Page Number 11 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

86 Other TSI 86 Lab Sample #:

Thermal System Insulation Material Category:

Insulation Homog. Area Description: Accessible Condition:

Collected from front drain plug on boiler #1. Collection Location:

Chrysotile 25 Asbestos Type / Percent:

0% Asbestos Type / Percent:

Analysis Lab: Quest MicroAnalytics, Inc. Page Number 2 of 3 of Report #004750

88 Other TSI Lab Sample #: TO-4-88

Thermal System Insulation Material Category:

Insulation Homog. Area Description: Accessible Condition:

Chrysotile

Asbestos Type / Percent:

Collected from aft drain plug on #2. Collection Location:

Asbestos Type / Percent: Chrysotile 0% Less than 1% chrysotile in the first layer

Analysis Lab: Crisp Analytical Lab Page Number 12 0f 19 of Report #CAL00041197

36

Prepared for: Midwestern State University Page 19 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Taft Boulevard Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number -

Lab Sample #: TO-4-87 - Other TSI - 4 87

Material Category: Thermal System Insulation

Homog. Area Description: Insulation

Condition: Accessible

Collection Location: Collected from front drain plug on boiler #2.

Asbestos Type / Percent: Chrysotile 4%
Asbestos Type / Percent: Chrysotile 28

Page Number 12 0f 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: TO-5-114 - Other TSI - 5 114

Material Category: Thermal System Insulation

Homog. Area Description: Insulation

Condition: Accessible

Collection Location: Collected from the aft end cap of chiller #5.

Asbestos Type / Percent: Chrysotile 2%
Asbestos Type / Percent: Chrysotile 48

2% chrysotile also detected in the third layer.

Page Number 16 of 19 of Report #CAL0004197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: TO-5-115 - Other TSI - 5 115

Zuo Dunipio III

Material Category: Thermal System Insulation
Homog. Area Description: Insulation

Condition: Accessible

Collection Location: Collected from the middle cylinder of chiller #5.

Asbestos Type / Percent: Chrysotile 26

Asbestos Type / Percent: 0%
less than 1% chrysotile detected in the second and

third layers

Page Number 16 of 19 of Report #CAL0004197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 113 - Other TSI - 5 113

Material Category: Thermal System Insulation

Material Category: Thermal System Insulation
Homog. Area Description: Insulation

Condition: Accessible
Collection Location: Collected from the end cap of chiller #5.

Asbestos Type / Percent: Chrysotile 30

Asbestos Type / Percent: 0%

Page Number 3 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Prepared for: Midwestern State University Page 20 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Taft Boulevard Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number -

Lab Sample #: TO-6-118 - Other TSI - 6 118

Material Category:

Thermal System Insulation

Homog. Area Description:

Insulation

Condition:

Accessible

Collection Location:

Collected from the chiller components on chiller #5

Asbestos Type / Percent:

Chrysotile 32

Asbestos Type / Percent: Chrysotile 0%

Less than 1% asbestos was found in the first layer

Page Number 17 of 19 of Report #CAL00041197 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 116 - Other TSI - 6 116

Material Category:

Thermal System Insulation

Homog. Area Description:

Insulation

Condition:

Accessible

Collection Location:

Collected from the chiller components on chiller #5.

Asbestos Type / Percent:

Chrysotile 30

Asbestos Type / Percent:

0%

Page Number 3 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: TO-6-117 - Other TSI - 6 117

Material Category:

Thermal System Insulation

Homog. Area Description:

Insulation

Condition:

Accessible

Collection Location:

Collected from the chiller components on chiller #5.

Asbestos Type / Percent:

No Asbestos Detected 0%

Asbestos Type / Percent:

0%

Page Number 17 of 19 of Report #CAL00041197 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 119 - Other TSI - 7 119

Material Category:

Thermal System Insulation

Homog. Area Description:

Insulation

Condition:

Accessible

Collection Location:

Collected from the end cap

Asbestos Type / Percent:

Chrysotile 35

Asbestos Type / Percent:

0%

Page Number 3 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Prepared for: Midwestern State University Page 21 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Taft Boulevard Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number
Lab Sample #: TO-7-120 - Other TSI - 7 120

Material Category: Thermal System Insulation
Homog. Area Description: Insulation
Condition: Accessible

Collection Location: Collected from the middle of cylinder.

Asbestos Type / Percent: Chrysotile 2%
Asbestos Type / Percent: Chrysotile 27

Less than 1% in the first layer

Page Number 17 of 19 of Report #CAL0004197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: TO-7-121 - Other TSI - 7 121

Material Category: Thermal System Insulation

Homog. Area Description: Insulation
Condition: Accessible

Collection Location: Collected from the rear end cap of cylinder.

Asbestos Type / Percent: Chrysotile 2%
Asbestos Type / Percent: Chrysotile 34

Page Number 18 of 19 of Report #CAL0004197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: TO-8-123 - Other TSI - **8** 123

Material Category: Thermal System Insulation
Homog. Area Description: Insulation

Condition: Accessible

Collection Location: Collected from fitting at cylinder

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Page Number 18 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: TO-8-124 - Other TSI - 8 124

Material Category: Thermal System Insulation Homog. Area Description: Insulation

Condition: Accessible

Collection Location: Collected from elbow fitting at cylinder

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Page Number 18 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Prepared for: Midwestern State University Page 22 of 34

Regarding: Central Plant Date: July 12, 2000

> 3410 Taft Boulevard Report Number: 200035007

Field Number -Lab number-Homogeneous Area Name

122 Other TSI 8 122 Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Insulation Accessible Condition:

Collected from fitting at compressor Collection Location:

No Asbestos Detected 0% **Asbestos Type / Percent: Asbestos Type / Percent:** 0%

Analysis Lab: Quest MicroAnalytics, Inc. Page Number 3 of 3 of Report #004750

TO-8-126 Other TSI 9 126 Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Insulation Condition: Accessible

Collected from the damage at middle of cylinder Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent:

Asbestos Type / Percent: 0%

Page Number 19 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

TO-8-127 Other TSI 127 Lab Sample #:

Thermal System Insulation Material Category:

Insulation Homog. Area Description:

Accessible Condition:

Collected from the damage under the big daddy rod sign Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent:

0% Asbestos Type / Percent:

Page Number 19 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Other TSI 125 125 Lab Sample #:

Thermal System Insulation Material Category:

Insulation Homog. Area Description:

Accessible Condition:

Collected from the damage at end cap Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent: Asbestos Type / Percent: 0%

Page Number 3 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Prepared for: Midwestern State University Page 23 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Taft Boulevard Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number -

Lab Sample #: 29 - Pipe Insulation - 1 29

Material Category: Thermal System Insulation

Homog. Area Description: Chilled water pipe insulation, Blue

Condition: Accessible

Collection Location: Collected from the chiller #5, blue supply line.

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Page Number 1 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 30 - Pipe Insulation - 1 30

Material Category: Thermal System Insulation

Homog. Area Description: Chilled water pipe insulation, Blue

Condition: Accessible

Collection Location: Collected from the chiller #3, blue supply line.

Asbestos Type / Percent: No Asbestos Detected 0% Selection 0% Owner: No Asbestos Detected 0%

Page Number 1 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 31 - Pipe Insulation - 1 31

Material Category: Thermal System Insulation

Homog. Area Description: Chilled water pipe insulation, Blue

Condition: Accessible

Collection Location: Collected from the chiller #3, blue supply line.

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Page Number 1 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 39 - Pipe Insulation - 2 39

Material Category: Thermal System Insulation

Homog. Area Description: Pipe Lagging Insulation, Blue

Condition: Accessible

Collection Location: Collected from the blue pipe run insulation, old

material, at water pump #2 above valve on supply line.

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Page Number 3 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Page Number 3 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Prepared for: Midwestern State University Page 24 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Taft Boulevard Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number -

Lab Sample #: 38 - Pipe Insulation - 2 38

Material Category: Thermal System Insulation

Homog. Area Description: Pipe Lagging Insulation, Blue

Condition: Accessible

Collection Location: Collected from the blue pipe run insulation, old

material, at water pump #1 above valve on supply line.

Asbestos Type / Percent: No Asbestos Detected 0%

Asbestos Type / Percent: 0%

Page Number 1 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: 40 - Pipe Insulation - 2 40

Material Category: Thermal System Insulation

Homog. Area Description: Pipe Lagging Insulation, Blue

Condition: Accessible

Collection Location: Collected from the blue pipe run insulation, old

,material, at pump #3 above the valve on supply line.

Asbestos Type / Percent: No Asbestos Detected 0%

Asbestos Type / Percent: 0%

Page Number 3 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 50 - Pipe Insulation - 3 50

Material Category: Thermal System Insulation

Homog. Area Description: Pipe insulation

Condition: Accessible

Collection Location: Collected from north wall under city water label

Asbestos Type / Percent: No Asbestos Detected 0%

Asbestos Type / Percent: 0%

Page Number 1 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Page 25 of 34 Prepared for: Midwestern State University

Regarding: Central Plant Date: July 12, 2000

> 3410 Taft Boulevard Report Number: 200035007

Lab number-Homogeneous Area Name Field Number -

PR-3-51 Pipe Insulation 3 51 Lab Sample #:

Thermal System Insulation Material Category:

Pipe insulation Homog. Area Description: Condition: Accessible

Collected from north wall under water softener Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent: Asbestos Type / Percent: 0%

Page Number 5 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

PR-3-52 Pipe Insulation 3 52 Lab Sample #:

Thermal System Insulation Material Category:

Pipe insulation Homog. Area Description:

Accessible Condition:

Collected from east wall next to control room door Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent:

0% Asbestos Type / Percent:

Page Number 5 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

PR-4-54 Pipe Insulation 54 Lab Sample #:

Thermal System Insulation Material Category:

Pipe insulation Homog. Area Description:

Accessible Condition:

Collected from Boiler #2. Collection Location:

Chrysotile Asbestos Type / Percent: 40 Chrysotile 0% Asbestos Type / Percent:

Second layer less than 1% Chrysotile

Analysis Lab: Crisp Analytical Lab Page Number 6 of 19 of Report #CAL00041197

53 Pipe Insulation Lab Sample #: 53

Thermal System Insulation Material Category:

Pipe insulation Homog. Area Description:

Accessible Condition:

Collected from Boiler #1. Collection Location:

Chrysotile Asbestos Type / Percent: 30 0% **Asbestos Type / Percent:**

Analysis Lab: Quest MicroAnalytics, Inc. Page Number 2 of 3 of Report #004750

Prepared for: Midwestern State University Page 26 of 34

Date: July 12, 2000 Regarding: Central Plant

> Report Number: 200035007 3410 Taft Boulevard

Lab number-Homogeneous Area Name Field Number -

PR-4-55 Pipe Insulation 55 Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Pipe insulation

Accessible Condition:

Collected from Boiler #3 Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent: Asbestos Type / Percent: 0%

Page Number 6 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

59 59 Pipe Insulation 5 Lab Sample #:

Thermal System Insulation Material Category: Orange Pipe run insulation Homog. Area Description:

Accessible Condition:

Collection Location: Orange pipe run just inside overhead door

Chrysotile 30 Asbestos Type / Percent:

0% Asbestos Type / Percent:

Analysis Lab: Quest MicroAnalytics, Inc. Page Number 2 of 3 of Report #004750

PR-5-60 Pipe Insulation 60 Lab Sample #:

Thermal System Insulation Material Category: Orange Pipe run insulation Homog. Area Description:

Accessible Condition:

Collected from orange pipe run at overhead door Collection Location:

Chrysotile 41 Asbestos Type / Percent:

Chrysotile Asbestos Type / Percent: Less than 1% chrysotile in the second layer

Page Number 7 of 19 of Report #CAL0004197 Analysis Lab: Crisp Analytical Lab

61 PR-5-61 Pipe Insulation 5

Lab Sample #:

Thermal System Insulation Material Category: Homog. Area Description: Orange Pipe run insulation

Chrysotile

Accessible

Condition: Collected from orange pipe run going into carrier Collection Location:

unit at overhead door Chrysotile **Asbestos Type / Percent:**

Asbestos Type / Percent: Less than 1% chrysotile in the second layer

Page Number 7 of 19 of Report #CAL0004197 Analysis Lab: Crisp Analytical Lab

ESESIS & NAAL Environmental Consultants-Specializing in: ASBESTOS, LEAD INDOOR AIR QUALITY

0%

Prepared for: Midwestern State University Page 27 of 34

Central Plant Regarding: Date: July 12, 2000

> 3410 Taft Boulevard Report Number: 200035007

Field Number -Lab number-Homogeneous Area Name

67 PR-6-67 Pipe Insulation Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Pipe insulation

Accessible Condition:

Collected from the pipe run at the center of the main Collection Location:

aisle

No Asbestos Detected 0% **Asbestos Type / Percent:**

Asbestos Type / Percent: 0%

Page Number 8 of 19 of Report #CAL0004197 Analysis Lab: Crisp Analytical Lab

PR-6-66 Pipe Insulation 66 Lab Sample #:

Thermal System Insulation Material Category:

Pipe insulation Homog. Area Description:

Condition: Accessible

Collection Location: Collected from the same area as 65

No Asbestos Detected 0% Asbestos Type / Percent: Asbestos Type / Percent: 0%

Analysis Lab: Crisp Analytical Lab Page Number 8 of 19 of Report #CAL0004197

65 65 Pipe Insulation Lab Sample #:

Thermal System Insulation Material Category:

Pipe insulation Homog. Area Description:

Accessible Condition: Collected from the gray pipe at the side of the 2-ton Collection Location:

hoist

No Asbestos Detected 0% **Asbestos Type / Percent:**

0% Asbestos Type / Percent:

Analysis Lab: Quest MicroAnalytics, Inc. Page Number 2 of 3 of Report #004750

Prepared for: Midwestern State University Page 28 of 34

Regarding: Central Plant Date: July 12, 2000

> 3410 Taft Boulevard Report Number: 200035007

Field Number -Lab number-Homogeneous Area Name

71 71 Pipe Insulation Lab Sample #:

Material Category: Thermal System Insulation

Pipe run insulation, white or tan Homog. Area Description:

Accessible Condition:

Collected from pipe run at boiler #1. Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent: **Asbestos Type / Percent:** 0%

Analysis Lab: Quest MicroAnalytics, Inc. Page Number 2 of 3 of Report #004750

PR-7-73 73 Lab Sample #: Pipe Insulation 7

Thermal System Insulation Material Category:

Pipe run insulation, white or tan Homog. Area Description:

Accessible Condition:

Collected from the pipe run coming from boiler #2. Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent: 0% **Asbestos Type / Percent:**

Analysis Lab: Crisp Analytical Lab Page Number 9 of 19 of Report #CAL00041197

PR-7-72 72 Pipe Insulation 7 Lab Sample #:

Material Category: Thermal System Insulation

Pipe run insulation, white or tan Homog. Area Description:

Accessible Condition:

Collected from the pipe run coming from boiler #1. Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent:

0% Asbestos Type / Percent:

Analysis Lab: Crisp Analytical Lab Page Number 9 of 19 of Report #CAL00041197

77 Pipe Insulation 8 Lab Sample #:

Thermal System Insulation

Material Category: Pipe insulation

Homog. Area Description:

Accessible Condition: Collected from tan pipe run at boiler #1.

Collection Location: Chrysotile 60

Asbestos Type / Percent: 0% Asbestos Type / Percent:

Analysis Lab: Quest MicroAnalytics, Inc. Page Number 2 of 3 of Report #004750

Prepared for: Midwestern State University Page 29 of 34

Date: July 12, 2000 Regarding: Central Plant

> 3410 Taft Boulevard Report Number: 200035007

Field Number -Lab number-Homogeneous Area Name

78 Lab Sample #: PR-8-78 Pipe Insulation

Thermal System Insulation Material Category:

Homog. Area Description: Pipe insulation Accessible Condition:

Collected from boiler #1. Collection Location:

Chrysotile 24 Asbestos Type / Percent: Chrysotile 0% **Asbestos Type / Percent:**

Less than 1% chrysotile in the second layer

Page Number 11 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

PR-8-79 Pipe Insulation 8 79 Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Pipe insulation

Accessible Condition:

Collected from boiler #1. Collection Location:

Chrysotile Asbestos Type / Percent: 35 Chrysotile 2% Asbestos Type / Percent:

Analysis Lab: Crisp Analytical Lab Page Number 11 of 19 of Report #CAL00041197

TI-1-90 Tank Insulation 90 1 Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Tank insulation

Condition: Accessible

Collected from the tank right of boiler #1. Collection Location:

Chrysotile 2% Asbestos Type / Percent: Chrysotile Asbestos Type / Percent: 40

Page Number 12 of 19 of Report #00041197 Analysis Lab: Crisp Analytical Lab

Tank Insulation 91 TI-1-91 1 Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Tank insulation

Accessible Condition:

Collected from the white tank on the platform right Collection Location:

of boiler #1.

No Asbestos Detected 0% Asbestos Type / Percent: **Asbestos Type / Percent:** 0%

Analysis Lab: Crisp Analytical Lab Page Number 12 of 19 of Report #00041197

Prepared for: Midwestern State University Page 30 of 34

Regarding: Central Plant Date: July 12, 2000

> Report Number: 200035007 3410 Taft Boulevard

Field Number -Lab number-Homogeneous Area Name 89 89 Tank Insulation Lab Sample #: Thermal System Insulation Material Category: Homog. Area Description: Tank insulation Condition: Accessible Collected from the tank right of boiler #1. Collection Location: Chrysotile 25 Asbestos Type / Percent: **Asbestos Type / Percent:** 0% Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

TI-2-94 Tank Insulation 94 Lab Sample #:

Thermal System Insulation Material Category:

Tank Insulation Homog. Area Description:

Accessible Condition: Collected from the blue water tank

Collection Location: Chrysotile 3% Asbestos Type / Percent:

0% Asbestos Type / Percent:

Analysis Lab: Crisp Analytical Lab Page Number 13 of 19 of Report #CAL00041197

92 92 Tank Insulation 2 Lab Sample #:

Thermal System Insulation Material Category: Tank Insulation

Homog. Area Description: Accessible Condition:

Collected from the blue water tank Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent: Asbestos Type / Percent: 0%

Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Tank Insulation 2 93 TI-2-93

Lab Sample #:

Thermal System Insulation Material Category:

Homog. Area Description: Tank Insulation Accessible Condition:

Chrysotile

Asbestos Type / Percent:

Collected from the blue water tank Collection Location:

Chrysotile 0% **Asbestos Type / Percent:** Less than 1% chrysotile in the first layer

Page Number 13 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

2%

Prepared for: Midwestern State University Page 31 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Taft Boulevard Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number -

Lab Sample #: TI-3-109 - Tank Insulation - 3 109

Material Category: Thermal System Insulation

Homog. Area Description: Tank insulation

Condition: Accessible

Collection Location: Collected from right end cap of tank

Asbestos Type / Percent: Chrysotile 3%
Asbestos Type / Percent: 0%

Page Number 15 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: TI-3-108 - Tank Insulation - 3 108

Material Category: Thermal System Insulation

Homog. Area Description: Tank insulation

Homog. Area Description: Tank insulation
Condition: Accessible

Collection Location: Collected from middle of tank

Ashestos Type / Percent: No Asbestos Detected 170m mildare of tank

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Page Number 15 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Lab Sample #: 107 - Tank Insulation - 3 107

Material Category: Thermal System Insulation

Material Category: Thermal System Insulatio
Homog. Area Description: Tank insulation

Condition: Accessible

Collection Location: Collected from left end cap of tank

Asbestos Type / Percent: Chrysotile 10
Asbestos Type / Percent: 0%

Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: TI-4-111 - Tank Insulation - 4 111

Lau Sample w.

Material Category: Thermal System Insulation Homog. Area Description: Tank insulation

Condition: Accessible

Collection Location: Collected from middle of tank

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Page Number 16 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

Prepared for: Midwestern State University Page 32 of 34

Date: July 12, 2000 Regarding: Central Plant

Report Number: 200035007

3410 Taft Boulevard Lab number-Homogeneous Area Name Field Number -Tank Insulation 110 Lab Sample #: 110 Thermal System Insulation Material Category: Tank insulation Homog. Area Description: Condition: Accessible Collected from left end cap of tank Collection Location: Chrysotile Asbestos Type / Percent: 10 Asbestos Type / Percent: 0% Page Number 3 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc. TI-4-112 Tank Insulation 112 Lab Sample #: Thermal System Insulation Material Category: Homog. Area Description: Tank insulation Accessible Condition: Collected from right end cap of tank Collection Location: Chrysotile 4% Asbestos Type / Percent: Chrysotile 2% **Asbestos Type / Percent:** Page Number 16 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab 1 Texturizer Lab Sample #: SMT-1-1 1 Surfacing Material Material Category: Homog. Area Description: Wall texturizer Accessible Condition: Collected from Break room above door Collection Location: No Asbestos Detected 0% Asbestos Type / Percent:

Asbestos Type / Percent: 0%

Analysis Lab: Crisp Analytical Lab Page Number 1 of 2 of Report #CAL00051304

Texturizer 3 Lab Sample #:

Surfacing Material Material Category: Wall texturizer Homog. Area Description:

Accessible Condition:

Collected from testing room wall #1 Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent: 0% Asbestos Type / Percent:

Analysis Lab: Crisp Analytical Lab Page Number 1 of 3 of Report #CAL00051306

Prepared for: Midwestern State University Page 33 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Ta	ft Boulev	ard		Report N	umber:	200035007
Labı	number-	Homogen	eous Area Name	-	Field N	Number -
Lab Sample #:	5	-	Texturizer	-	1	5
Material Category: Homog. Area Description: Condition:	Wall	acing Mat texturiz ssible				
Collection Location:			_	coom wall	#1	
Asbestos Type / Percent:	No Asi	bestos Detecte	ed 0%			
Asbestos Type / Percent:			0%			
Page Number 1 of 3 of I	Report #CA	AL00051306	Analysis Lab: C	Crisp Analytic	al Lab	
Lab Sample #:	2	-	Texturizer	_	1	2
Material Category:	Surf	acing Mat	erial			
Homog. Area Description:	Wall	texturiz	er			
Condition:	Acce	ssible				
Collection Location:	Coll	ected fro	m break room	wall #1		
Asbestos Type / Percent:	No As	bestos Detecto	ed 0% 0%			
Asbestos Type / Percent:			U%			
Page Number 1 of 3 of 1	Report #CA	AL00051306	Analysis Lab: (Crisp Analytic	cal Lab	
Lab Sample #:	4	_	Texturizer	_	1	4
Material Category:	Surf	acing Mat	erial			
Homog. Area Description:	Wall	texturiz	er			
Condition:	Acce	ssible				
Collection Location:	Coll	ected fro	m mezzanine	room wall	L #2	
Asbestos Type / Percent:	No As	bestos Detect	0.70			
Asbestos Type / Percent:			0%			

Analysis Lab: Crisp Analytical Lab Page Number 1 of 3 of Report #CAL00051306

102 Texturizer 2 Lab Sample #: SMT-2-102

Surfacing Material Material Category:

Texture, wall Homog. Area Description:

Accessible Condition:

From west wall under fire extinguishing sign Collection Location:

No Asbestos Detected 0% Asbestos Type / Percent: 0% **Asbestos Type / Percent:**

Analysis Lab: Crisp Analytical Lab Page Number 14 of 19 of Report #CAL00041197

Prepared for: Midwestern State University Page 34 of 34

Regarding: Central Plant Date: July 12, 2000

3410 Taft Boulevard Report Number: 200035007

Lab number - Homogeneous Area Name - Field Number -

Lab Sample #: 101 - Texturizer - 2 101

Material Category: Surfacing Material

Homog. Area Description: Texture, wall
Condition: Accessible

Collection Location: Collected from exterior north break room wall

Asbestos Type / Percent: No Asbestos Detected 0%

Asbestos Type / Percent: 0%

Condition:

Page Number 2 of 3 of Report #004750 Analysis Lab: Quest MicroAnalytics, Inc.

Lab Sample #: SMT-2-103 - Texturizer - 2 103

Material Category: Surfacing Material

Material Category: Surfacing Material
Homog. Area Description: Texture, wall

Collection Location: Collected from west wall at junction box

Asbestos Type / Percent: No Asbestos Detected 0%
Asbestos Type / Percent: 0%

Accessible

Page Number 14 of 19 of Report #CAL00041197 Analysis Lab: Crisp Analytical Lab

BULK SAMPLE REPORT

PLM REPORT

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

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

Client:

Midwestern State University

Request No.:

004750

Project:

Central Plant

Report Date:

5/3/00

Project No.: ACM-2000-01

Sample Date:

4/26/00

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

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

On 5/3/00, 35		by Charles Thorn of Midwester	rn State University
Client No.		Fibrous Components	Asbestos Content
23/MFC-1	Black Vibration Boots, South Door Exit in Plant Overhead	40% Fiberglass	None Detected
26/EW·1	White Elbow Wrap (A) with Yellow Insulation (B), Above Drop Ceiling in Control Office	B) 97% Fiberglass	A) 15% Chrysotile B) None Detected
29/PR-1	Blue Paint (A) with White Weave (B) and Silver Foil (C) with Yellow Insulation (D), Blue Pipe Run, Chiller #5 Supply Line	B) 100% Cotton D) 99% Fiberglass	A) None Detected B) None Detected C) None Detected D) None Detected
32/EW-2	Blue Paint (A) with White Weave (B) and White Insulation (C), Elbows on Blue Pipe Runs, Chiller #5 (Ma-Ma Rod) Next to Yellow Stairs	B) 100% Cotton C) 25% Fiberglass	A) None Detected B) None Detected C) 20% Chrysotile
35/TO-1	Blue Paint (A) with White Weave (B) and Silver Foil (C) with White Paper (D) and Yellow Insulation (E), Insulation, (Blue), New Material, Chiller #5 at First Valve	D) 98% Cellulose	A) None Detected B) None Detected C) None Detected D) None Detected E) None Detected
38/PR-2	Blue Paint (A) with White Weave (B) and Silver Foil (C) with Black Mastic (D) and White Foam (E), Blue Pipe Run, New Material, Pipe Run at #1 Pump		A) None Detected B) None Detected C) None Detected D) None Detected E) None Detected
41/EW-3	White Plastic (A) with Blue Paint (B) and White Weave (C) with Yellow Insulation (D), Blue Insulation, Elbows Old Material, West Wall Above Overhead Door at 20'	C) 100% Cotton D) 99% Fiberglass	A) None Detected B) None Detected C) None Detected D) None Detected
44/TO-2	Blue Paint (A) with White Weave (B) and White Foam (C), Blue Insulation on Connectors, Water Pump at #1 Below Valve on Supply Line		A) None Detected B) None Detected C) None Detected
47/EW-4	Black Paint (A) with White Weave (B) and Off- White Insulation (C), Green Elbow Wrap, Next to Chilled Water Make Up Tank	B) 100% Cotton C) 20% Fiberglass	A) None Detected B) None Detected C) 25% Chrysotile
50/PR-3	Green Paint (A) with White Paper (B) and Black Felt (C) and Silver Foil (D) with Yellow Insulation (E), Pipe Run Insulation (Green), North Wall Under City Water Label	B) 98% Cellulose C) 75% Cellulose E) 99% Fiberglass	A) None Detected B) None Detected C) None Detected D) None Detected E) None Detected

	11 - Ju		
53/PR-4	Red Paint (A) with White Weave (B) and Off- White Insulation (C), Pipe Run Insulation (Red) Boiler, Little Cowboy Howard, Lt Side Above	B) 100% Cotton	A) None Detected B) None Detected C) 30% Chrysotile
	Control		O) 30% Onlysothe
56/EW-5	Red Paint (A) with White Weave (B) and Off-	B) 100% Cotton	A) None Detected
	White Insulation (C), Elbows on Red Pipe Runs,		B) None Detected
	Large Elbow Above Boiler "Whammo"		C) 30% Chrysotile
59/PR-5	Red Paint (A) with White Weave (B) and Off-	B) 100% Cotton	A) None Detected
	White Insulation (C), Orange Pipe Runs, Pipe just Inside Overhead Door aft 2 Ton Hoist		B) None Detected C) 30% Chrysotile
COVEW 6	Orange Paint (A) with White Weave (B) and	B) 100% Cotton	A) None Detected
62/EW-6	Grey Insulation (C), Elbows on Orange Pipe	B) 100% Cotton	B) None Detected
	Runs, at 2 Ton Hoist, aft Overhead Door		C) 60% Chrysotile
65/PR-6	Silver Foil (A) with Black Mastic (B) and Tan	C) 98% Cellulose	A) None Detected
	Paper (C) with Yellow Insulation (D), Gray Pipe		B) None Detected
	Runs, Rt. Side of 2 Ton Hoist at Overhead Door		C) None Detected
		loom en	D) None Detected
68/EW-7	Beige Insulation, Elbows on Gray Pipe Runs, Rt Side of 2 Ton Hoist at Overhead Door	20% Fiberglass	35% Chrysotile
71/PR·7	White Weave (A) with Black Felt (B) and Silver	A) 100% Cotton	A) None Detected
	Foil (C) with Yellow Insulation (D), Tan/White	B) 70% Cellulose	B) None Detected
	Pipe Runs, at Boiler "Little Cowboy", Lt. Of	D) 99% Fiberglass	C) None Detected
	Control Panel		D) None Detected
74/EW-8	White Plastic (A) with White Weave (B) and	B) 100% Cotton	A) None Detected
	Yellow Insulation (C), Elbows on Tan/White	C) 99% Fiberglass	B) None Detected
	Pipes, at Boiler "Little Cowboy", Lt. of Control Panel		C) None Detected
77/PR-8	Tan Paint (A) with White Weave (B) and Gray	B) 100% Cotton	A) None Detected
- who have a serious members	Insulation (C), Old Tan/White Pipes, at Boiler		B) None Detected
	Little Cowboy, Lt. of Control Panel		C) 60% Chrysotile
80/EW-9	Tan Paint (A) with White Weave (B) and Gray	B) 100% Cotton	A) None Detected
and the second of the second o	Insulation (C), Elbows on Tan/White Pipe, on		B) None Detected
	Pipe Sample #77	D: 100ml 0 !!	C) 60% Chrysotile
83/TO-3	Tan Paint (A) with White Weave (B) and Gray	B) 100% Cotton	A) None Detected B) None Detected
	Insulation (C), Insulation, Misc., Smoke Stack from "Little Cowboy"		C) 60% Chrysotile
86/TO-4	Tan Paint (A) with White Weave (B) and Beige	B) 100% Cotton	A) None Detected
30/10-4	Insulation (C), Insulation, Misc., Front Drain	C) 25% Fiberglass	B) None Detected
	Plug on "Little Cowboy"		C) 25% Chrysotile
89/TI-1	Tan Paint (A) with White Weave (B) and Beige	B) 100% Cotton	A) None Detected
	Insulation (C), Boiler Tank Insulation, Boiler:	C) 25% Fiberglass	B) None Detected
	"Little Cowboy"	2000-012/05/	C) 25% Chrysotile
92/TI-2	Blue Paint (A) with White Weave (B) and Light		A) None Detected
	Gray Insulation (C), Water Tank Insulation, Blue Water Tank Near Work Benchs	C) 50% Mineral Wool	B) None Detected C) None Detected
95/MC-3	White Window Caulk, Vent Window 1st Floor,	None	None Detected
337 MC-3	South Wall, #1	Trong	None Detected
98/MC·4	Light Blue Paint (A) with Gray Metal (B), Pipe	None	A) None Detected
	Caulk, North Wall Silver Drain Line Through		B) None Detected
101/SMT-2	Wall White Paint (A) with Beige Texture (B), White	B) 50% Perlite	A) None Detected
101/ 2011-5	Wall Texture, North Wall Exterior Break Room	D/ 00/0 1 01110	B) None Detected
	in Plant Area		
104/MO-2	Green Paint (A) and Blue Material (B) with	D) 50% Perlite	A) None Detected
	Brown Mastic (C) and Beige Texture (D), Green		B) None Detected
	Cove Base/Mastic, North Wall Break Room		C) None Detected
	Exterior Wall at Door		D) None Detected
107/TI-3	Gray Tape (A) and White Weave (B) with Yellow		A) None Detected
	Insulation (C) and Black Paint (D) with White	B) 100% Cotton C) 99% Fiberglass	B) None Detected
	Sealant (E), Insulation on Black Tank, Lt. End	ICT 99% FIDERGIASS	C) None Detected

	Cap of Tank	Power	D) None Detected E) 10% Chrysotile
110/TI-4	Black Paint (A) with White Sealant (B), Insulation on Lower Black Tank, Lt. End Cap of Tank	None	A) None Detected B) 10% Chrysotile
113/TO-5	Gray Paint (A) with White Weave (B) and Off- White Insulation (C), Insulation on "Mama Rod" Front Caps	B) 100% Cotton C) 20% Fiberglass	A) None Detected B) None Detected C) 30% Chrysotile
116/TO-6	Gray Paint (A) with White Weave (B) and Off- White Insulation (C), Insulation on Fittings, Fitting Next to Control Unit	B) 100% Cotton C) 20% Fiberglass	A) None Detected B) None Detected C) 30% Chrysotile
119/TO-7	Green Paint (A) with White Weave (B) and Brown Cork (C) with Off-White Insulation (D), Insulation on #4 Unit, at End Cap	B) 100% Cotton D) 20% Fiberglass	A) None Detected B) None Detected C) None Detected D) 35% Chrysotile
122/TO-8	Green Paint (A) with White Weave (B) and Ligh Gray Insulation (C), Insulation on Fittings #4, Fitting at Compression	B) 100% Cotton C) 40% Cellulose 15% Fiberglass	A) None Detected B) None Detected C) None Detected
125/TO-9	Gray Paint (A) with White Weave (B), Gray Insulation, "Big Daddy Rod" at Damage on the End	B) 100% Cotton	A) None Detected B) 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:



Labs

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 Uiversity 3410 Taft Blvd. Wichita Falls, TX 76308 reference number: CAL00051304

LABORATORY ANALYSIS:

Summary of point counting by polarized light microscopy (PLM / stereomicroscopy bulk asbestos analysis) using the method described in Neshaps and EPA-600/R-93/116 (AHERA). All analysts have received the necessary in-house and extramural training (McCrone Research) 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.

METHOD:

Point Counting was performed on a polarized light microscope with a calibrated reticle according to the revised NESHAP method of November 20, 1990 (Federal Register, V.55, N.224, 11/20/90. Asbestos content of bulk materials was originally determined using procedures outlined in the interim method (40 CFR Part 763, Appendix E to Subpart E) and AHERA method (EPA-600/R-93/116).

This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. This test relates only to the items described and tested herein. This report may not be reproduced except in full, unless with 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.

Thank you,

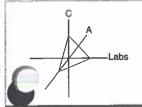
David Bertolacci, Laboratory Director

NVI.

NVLAP #200349-0

EPA H₂0 TX01402

TDH #30-0235



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 Point Count Report

Analysis Method:

NESHAPS Point Counting / 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

phone # 940-397-4827

940-397-4859 fax # Attn: Charles Thorn

Report Date:

12 May 2000

CA Labs project no.

Client project name

and number:

CAL00051304

Central Plant ACM-2000-01

Samples received:

5-5-00 8:00am

Turn-around time:

5 days

PO number:

Sample #	Layer #	Analysts Physical Description of Subsample	Homo- geneous (Y/N)	Asbestos type / point counted percent		
SMT-1-1	1	tan sandy plaster	у	none detected		4% quartz 96% gypsum
	2	white surfacing	у	none detected		3% mica 97% other
MCT-1-6	1	tan fibrous ceiling tile	у	none detected	40% cellulose 40% mineral wool	20% perlite
	2	white surfacing	у	none detected		< 1% quartz 15% carbonates 85% other
MCT-2-9	1	grey fibrous ceiling tile	у	none detected	45% cellulose 35% mineral wool	20% perlite
	2	white surfacing	у	none detected		14% carbonates 86% other
SO-1-12	1	blue vinyl material	у	none detected	< 1% cellulose	3% quartz 97% other
MO-1-17	1	light blue cove base	у	none detected		2% quartz 64% carbonates 34% organics

NVLAP #200349-0

Approved Signatories:

David Bertolacci Analyst

TDH #30-0235

page 1 of 2

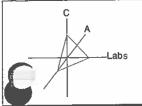
Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

Notes:
Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM Chaffield 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 "occeptable 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 sis (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 roduced except in full, without written permission by CA Labs.

ere 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 near 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 Point Count Report

Analysis Method:

NESHAPS Point Counting / 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

phone # 940-397-4827 fax# 940-397-4859

Attn: Charles Thorn

Report Date:

12 May 2000

CA Labs project no.

Client project name

and number:

CAL00051304 Central Plant

ACM-2000-01

Samples received:

5-5-00 8:00am

Turn-around time:

5 days

PO number:

Sample #	Layer #	Analysts Physical Description of Subsample	Homo- geneous (Y/N)	Asbestos type / point counted percent		
MO-1-17	2	brown mastic	у	none detected	< 1% cellulose	2% other 2% mica 96% binder
MC-1-20	1	soft white caulking	У	2% chrysotile	< 1% cellulose	1% quartz 97% carbonate
				-		

NVLAP #200349-0

Approved Signatories:

David Bertolacci Analyst

TDH #30-0235 page 2 of 2

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 f 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 allysis (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 reproduced except in full, without written permission by CA Labs.

se 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 anner 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.

Dallas, Yexas 75220-1229

Tel. 214.351.4441

Micro Analytics, Inc. Fax 214.351.4487

2530 Electronic Lane, Suite 712

CHAIN OF CUSTODY RECORD

ROJECTIANE ROJECTIANE ENVIRONMENTAL SISTETY HIGHWESTERN STATE BING. (261-10) HIGHWESTERN STATE BING. (261-20) HIGHWESTERN STATE BING. (26		REUNAUS	SNONTRI	REI INCLASS										NUMBER	CLENI	SAMPLIE (SEVATURE)	PROJECT HAME	
EINTROMENTAL SAFETY MICHAESTERN STATE INTERESTRY HICH ESTATE BILLY AND TAFF BILLY HICH TAFF BILLY AND TAFF BILLY HICH TAFF BILLY HICH TAFF BILLY HICH TAFF BILLY ANALYSS BECAUSE BECAU		XEO 8Y: (5	HED BY: (S	S) WHICH					+		-				DATE	SANTAN:	ろり	
PROJECT MANUALIS ENVIRONMENTAL SAFETY Midwesterm State Indiversity Midwesterm State Indiversity Michita Falls, TX 76308-2099 (940) 397-4827 fax (940) 397-4859 DATE I INE PROJECT FAMILIAR PROJECT FAMILIAR Midwesterm State Indiversity REALIS RAMPOMITIMENTERM RECEIVED BY (365MAILIAR) PROJECT INE RECEIVED BY (365MAILIAR) DATE I INE RECEIVED BY (365MAILIAR) RECEIVED BY (365MAILIAR) DATE I INE RECEIVED BY (365MAILIAR) REC		GNATURE)	IGNATURD)	SKARUK)			V								TIE A		100 J	
PROJECT MANAGER Environmental Safety Midwestern State University 3410 Taft Blud. Wichita Falls, TX 76308-2099 (940) 397-4859 PROJECT FALLS, TX 76308-2099 AMPLIANCIAL B. Sh. Le. H. S. C. SAMUELICANON S. C. SAMUELICANON PROFINE INC. MARCHING. PROFINE INC. ALL. B. Sh. Le. H. S. C. SAMUELICANON PROFINE INC. ALL. B. Sh. Le. H. S. C. SAMUELICANON PROFINE INC. SIGNATURE) PROFINE INC. SIGNATURE PRO	-		DAIF	Shulad		/				1		A)					7	
COMPANY NAME AND ADDRESS, (BEL 10) Midwestern State University 3410 Taft Blvd. 4415 TX 76308-2099 (940) 397-4827 fax (940) 397-4859 ANALYSS BESALIS REDED ANALYSS ANALYSS ANALYSS ANALYSS BESALIS REDED ONE ONE ONE ONE ONE ONE ONE ONE ONE ON		J IMIE	11ME	// Tave: /							İ	5	2				ENVÍCO:	
Midwestern State University 3410 Taft Blvd. Wichita Falls, TX 76308-2099 (940) 397-4827 fax (940) 397-4859 OATE RECEVEN: REPART SET BY ANALYSE ANALYSE RESIDES HAMPCOMPENSEM NEEDED AND CONTENSES RESIDES HAMPCOMPENSEM NEEDED AND CONTENSES RESIDES RESIDES HAMPCOMPENSEM NEEDED AND CONTENSES RESIDES RESI		RACENED	RECEIVED	RECHVED	\							(S)	Hac		8		mental	
Midwestern State University 3410 Taft Blvd. Wichita Falls, TX 76308-2099 (940) 397-4827 fax (940) 397-4859 OATE RECEVED: REPART FAX (940) 397-4859 OATE RESIDES REMADISHED BY. (SIGNATURE) DATE / TAKE RECEIVED: DATE / TAKE RE		BY: (SIGNA	BY: (SIGNA)	BY (SIGNAT		$\left \cdot \right $			\setminus			July	hep		White rock		Safety	
ANALYSIS RECHESIED ANALYSIS RECHESIED MAPCH/TEM/SEM NEEDEG NEEDEG DATE RECENEDE DATE / IIME RECENEDE	6	(Ben)	(JAN)	WAE)			:			V		5370	S		NON	Wich: (940	Midw 3410	COMME
ANALYSIS RECHESIED ANALYSIS RECHESIED MAPCH/TEM/SEM NEEDEG NEEDEG DATE RECENEDE DATE / IIME RECENEDE		<u> </u>	SE SE	SKINO!						1			Keny			ita Fali) 397-41	stern Taft B	NAME AN
ANALYSIS RECHESIED ANALYSIS RECHESIED ANALYSIS RECHESIED RECHESIE D ANE / IIIAE RECHESIE D ANE / IIIAE RECHESIE	-	E / TIME	JCHED BY. (SAR CIBESE	./								7				tate Ur	D ADOKESS
7-4859 7-4859 7-4859 DATE COMPTEM/SEM RECEIVED R		REMAI	SIGNATUR	SIGNATURE					-	-	 -	+			F	76308-2	niversi	(6) (10)
TIME RECEIVED BY		Š					9								ANALYSI RECHESTO M/FCM/TET	099 397-48	ty	
ASCENSED WELLDER	l		(IE / 13ME						585						S D W/SEM) 		
PO. MUMBER ACH-2000-(RECEN											DATE RESULTS NEEDED	4		
PLE NUMBER SAVATURES	Ē		VED BY: CM	VED BY: (SK		-			1						SALA	ACH		PO NUM
		Ĭ	SMILME	or (ore)											BBWN 3k	2000-01		4530

ESESIS

11022 FM 3326 South Hawley, Texas 79606

915-691-0172 <> 800-793-7255

FAX 915-695-8455

SAMPLE CUSTODY

	$\bigcap I$			I DE CCO.	. OD 1			
RELINQUISED BY:		Mo.	The	m		DATE: _	_4 May 200	0
RECEIVED BY:)		DATE: _	· · · · · · · · · · · · · · · · · · ·	-
NUMBER OF SAMPI	LES ENC	LOSED:	6					

6 HOUR	12 HOUR	REQUESTED TIME FOR 24 HOUR 36 HOUR	48 HOUR 60 HOUR	72 HOUR
Sample No	. Code	Material	Location	
	SMT-1	Texturizer, Wall	Above Break Room. Door outside wall	
#6	MCT-1	Ceiling Tile, Fractured Pattern	Wall #1, break Room	
#9	MCT-2	2'x 4' Ceiling Tile	Office #103, Center of Room	
#12	SO-1	Green Floor Covering	Damaged area near Chiller #3	
#17	MO-1	Blue Cove Base	Entry to Office #103	
	MC-1	Caulking, Doors	Left side of Door, Chemical Storage	

8.

9. 10.

11. 12.

13.

14. 15.

16.

17.

18.

19. 20.

21.

22.

23.

24.

25. 26.

27.

28.

29.

30.

31.

32. 33.

34.

35.

36.

37.

38. 39.

40

Labs

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 Uiversity 3410 Taft Blvd. Wichita Falls, TX 76308 reference number: CAL00051306

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.

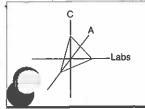
Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. All asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysts' percentages are susceptible to variance. All percentages fall within 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

TDH #30-0235



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

phone # 940-397-4827

940-397-4859

Attn: Charles Thorn

Report Date:

12 May 2000

CAL00051306 CA Labs project no.

Client project name

Central Plant

and number:

ACM-2000-01

Samples received:

5-5-00 8:00am

PO number:

Turn-around time: 5 days

Sample #	Layer #	Analysts Physical Description of Subsample	Homo- geneous (Y/N)	Asbestos type / caiibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous typ percent
2	1	tan surfacing peach plaster	n	none detected	1% cellulose	14% quartz 86% gypsun
3	1	blue surfacing white plaster	n	none detected	1% cellulose	25% quartz 75% gypsur
4	1	blue surfacing white	n	none detected	1% cellulose	21% quart

		····· · · · · · · · · · · · · · · · ·				86% gypsum
3	1	blue surfacing white plaster	n	none detected	1% cellulose	25% quartz 75% gypsum
 4	1	blue surfacing white plaster	n	none detected	1% cellulose	21% quartz 79% gypsum
5	1	blue surfacing white plaster	n	none detected	1% cellulose	22% quartz 78% gypsum
7	1	brown fibrous ceiling tile	у	none detected	20% cellulose	3% quartz 13% perlite
	2	white	у	none detected	2.	3% mica 16% carbonates 81% binder
8	1	brown fibrous ceiling tile	У	none detected	22% cellulose 61% mineral wool	3% quartz 14% perlite
	2	white surfacing	у	none detected	2.00	3% mica 15% carbonates 82% binder

NVLAP #200349-0

TDH #30-0235

page 1 of 3

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci. Laboratory Director

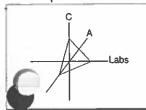
Notes:

Keith Malone Analyst(s)

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.

asbestos percentages are based on calibrated visual estimates to NIST standards for regulated asbestos types. Analysts' percentages are based on calibrated visual estimates to NIST standards for regulated asbestos types. Analysts' 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 also 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

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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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:

Midwestern State University

940-397-4859

Wichita Falls, TX 76308

phone # 940-397-4827

Attn: Charles Thorn

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.

12 May 2000

Client Information:

3410 Taft Blvd.

Report Date:

CA Labs project no. CAL00051306

Client project name

Central Plant

and number:

ACM-2000-01

Samples received:

5-5-00 8:00am

5 days Turn-around time: 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 ceiling tile	У	none detected	24% cellulose 57% mineral wool	3% quartz 16% perlite
	2	white surfacing	Y	none detected	0.9	2% mica 18% carbonates 80% binder
11	1	gray fibrous ceiling tile	У	none detected	25% cellulose 56% mineral wool	3% quartz 16% perlite
13	1	green floor covering	у	< 1% chrysotile		3% quartz 97% other
	2	brown plaster	У	none detected	30 0	24% quartz 76% gypsum
14	1	green floor covering	У	< 1% chrysotile		4% quartz 96% other
15	1	green floor covering	У	< 1% chrysotile		4% quartz 96% other
16	1	green floor covering	у	<1% chrysotile	- Crastal Annua III	4% quartz 96% other

NVLAP #200349-0

Approved Signatories:

Analyst(s)

TDH #30-0235 page 2 of 3

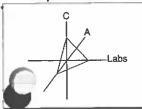
Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

overs.

This report may not great the state of the state

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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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:

Midwestern State University

940-397-4859

Wichita Falls, TX 76308 phone # 940-397-4827

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:

Attn: Charles Thorn

3410 Taft Blvd.

fax#

Report Date:

CAL00051306 CA Labs project no.

Client project name

Central Plant

12 May 2000

and number:

ACM-2000-01

Samples received:

5-5-00 8:00am

Turn-around time: 5 days

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
18	1	green core base	n	none detected	1% cellulose	2% quartz 97% binder
	2	brown mastic	У	< 1% anthophyllite	1% talc	2% mica 97% other
19	1	blue core base	У	none detected	1% cellulose	1% quartz 98% binder
	2	brown mastic	у	< 1% anthophyllite	2% talc	2% mica 96% other
21	1	white and brown caulking	n	2% chrysotile		2% mica 30% carbonate 68% binder
22	1	white and brown caulking	n	2% chrysotile		2% mica 27% carbonate

NVLAP #200349-0

Approved Signatories:

TDH #30-0235

page 3 of 3

Leslie Crisp,

General Manager

David Bertolacci, Laboratory Director

69% binder

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.

one samples (not ties, surracing, etc.) may contain note too small to be detectable by FLM. LEM Chatrieto analysis of our material is recommended in this case.

'It sabestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysis' percentages are susceptible to a coefficient of variance. All percentages fall within a range coeptable 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 distributions of 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 produced 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



Crisp Analytical Laboratories, LLC. 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:	Midwagter	n State Uni	Versity	Labs job	#	CAL OOG	5 13	306
Client Address:	2/10 75-65	Dlasi	Bill	ling Addr	ess:			
	Wight to F	alls, TX 76	308-2066	lifferent)	_			
	WICHILL F	arra, IV /		×	*			
phone number:	940-397-4	827			-			
ax number:	940-397-4		Ser	nd Reports	to:	Environme	ntal_S	afety
Project Number:			Pro	ject Nam		Building:	CPUT	1 0 4
	-ACM-2000-	*						
Total # San	ples Submit	tted:	Total # Sa	mples to	be Aı	nalyzed:		rial Matrix:
	6/			16			A	IFY BUIK
sbestos:		please o	all ahead fo	r availabilit	y of all	rush and/or	after ho	urs samples.
TEM	TA Time	o the random publication		TA Tu	Section 1	PCN		TA Time
Circle analysis and TA time		Circle analysis a		2 hour		Circle analysis at	nd TA time	
AHERA	4 hour	Improved		4 hour		NIOSH 740	Ю	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		1		24 hour
Micro-vac	2 days			2 days				2 days
NIOSH 7402	2 days 3 days	Point Cou	nt.	3 days		,		3 days
Chatfield Bulk	5 days	(NESHAP		5 days				5 days
Chaulen bux		(1120122		720	- 10		- 8	0
_ead:circle	analysis and TA time							
Matrix:		Paint Chips	Soil		Air	Wij		Wastewater
TA Time:	8 hour	1 day	2 days	3	days	5 da	ays	6-10 days
				•				
Sample Information						01-	¥7-1	- (T)
Sample Number	r	Sample L	ocation:			Sample	volum	ie (L):
	528	DITTAL	21188)				
	SHE	ET 16	SOM	PLES				
					<u> </u>			
	15				000000	We		
					-			
00 00 00 000 000 000								
		, 1	1:00 Am					
Custody Information Samples relinquished		M.	111/02	Samples rec	eived:	An S	. 5 . 5	n 8om
cambica terménanc	11000	ature / Date / Ti	me'	•		Signa	ature / Da	ate / Time
Complea lineviche		iature/Date/ II	TITE	Samples rec	eived:		,	
Samples relinquishe				Amirhies rec		Sign	ature / D	ate / Time
	Sign	nature / Date / Ti	we			Offin	mutter Di	acc / Luite

ESESIS

11022 FM 3326 South Hawley, Texas 79606 915-691-0172 <> 800-793-7255

FAX 915-695-8455

		SAMPLE CU	STODY
RELINQUISED BY	Halle	hor	DATE:4 May 2000
RECEIVED BY:			DATE:
NUMBER OF SAMP	LES ENCLOSED:		

6 HOUR	12 HOUR	24 HOUR	36 HOUR	R ANALYSIS 48 HOUR	60 HOUR	72 HOUR
	No. Code	Material		Location		
1. #02 2. #03 3. #04 4. #05 5. #07 6. #08 7. #10 8. #11 9. #13 10. #14 11. #15 12. #16 13. #18 14. #19 15. #21 16. #22	SMT-1 SMT-1 SMT-1 SMT-1 MCT-1 MCT-1 MCT-2 MCT-2 SO-1 SO-1 SO-1 SO-1 MO-1 MC-1 MC-1	Texturizer, Wall Texturizer, Wall Texturizer, Wall Texturizer, Wall 2' x 4' Ceiling Tile Green Floor Coveri Green Floor Coveri Green Floor Coveri Green Floor Coveri Blue Cove Base Blue Cove Base Caulking Caulking	ng ng	Above wall #1, Br Wall #1 Testing R Above Hall, Wall Drafting Room, W Wall #4, Chemica Wall #1, Testing F Wall #2, Office 10 Front Entry Door, First Floor, Wall # Mezzanine, at Chi Mezzanine, Door Entry to Conferen Wall #4 Conferen Right side of Doo	oom #1 Fall #4 I Storage Room 03 Wall #1 #3 iller #1 to hall to Locker ce Room at Door ce Room	2

18.

19. 20.

21.

22.

23.

24.

25. 26.

27. 28.

29.

30.

31. 32.

33.

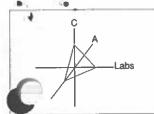
34.

35. 36.

37.

38. 39.

40.



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: CAL00041197

LABORATORY ANALYSIS METHOD:

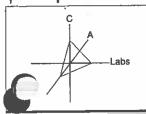
Summary of polarizing light microscopy (PLM / stereomicroscopy bulk asbestos analysis) using the methods described in 40CFR Part 763 Appendix E to Subpart E (Improved Interim) and EPA/600/R-93/116 (AHERA). All analysts have received the necessary in-house and extramural training (McCrone Research and/or 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



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:

2 May 2000

CA Labs project no.

CAL00041197

Client project name

Central Plant

and number:

ACM-2000-01

Samples received:

4-28-00 8:00am

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
MFC-1-24	1	gray and black rubber layer with white fibers	у	none detected	15% fiberglass < 1% cellulose	< 1% quartz 85% other
MFC-1-25	1	gray and black rubber layer with white fibers	у	none detected	12% fiberglass	88% other
EW-1-27	1	yellow fibrous insulation	у	none detected	98% fiberglass	2% other

		layer with white fibers			< 1% cellulose	85% other
MFC-1-25	1	gray and black rubber layer with white fibers	у	none detected	12% fiberglass	88% other
EW-1-27	1	yellow fibrous insulation	у	none detected	98% fiberglass	2% other
	2	tan surfacing	у	2% chrysotile		20% carbonates 78% other
EW-1-28	1	yellow fibrous insulation	у	none detected	98% fiberglass	2% other
	2	tan surfacing	у	3% chrysotile		20% carbonates 77% other
PR-1-30	1	yellow fibrous insulation	у	none detected	99% fiberglass	1% other
	2	white paper on metal foil	n	none detected	60% cellulose	2% quartz 38% other

NVLAP #200349-0

TDH #30-0235

page 1 of 19

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

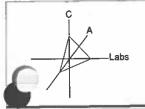
David Bertolacci & Keith Malone

Analyst(s)

Some samples (floor tites, 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. Analysis' percentages are susceptible to a coefficient of variance. All percentages fall within a range faceptable 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 yais (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 eproduced except in full, without written permission by CA Labs.

nese 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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:

2 May 2000

CA Labs project no.

Client project name

and number:

CAL00041197 Central Plant ACM-2000-01

Samples received:

4-28-00 8:00am

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
PR-1-30	3	blue surfacing	у	none detected		100% other
PR-1-31	1	yellow fibrous insulation	у	none detected	98% fiberglass	< 1% quartz 2% other
	2	blue surfaced cloth mesh	n	none detected	25% cellulose 5% fiberglass	< 1% quartz 70% other
	3	white surfacing on metal foil	n	none detected	30% cellulose 10% fiberglass	5% quartz 55% other
EW-2-33	1	yellow fibrous insulation	у	none detected		100% other
	2	blue surfaced cloth mesh	n	none detected	25% cellulose	2% quartz 73% other
	3	white surfacing	у	none detected	15% fiberglass	2% mica 83% other
EW-2-34	1	yellow fibrous insulation	у	none detected	99% fiberglass	1% other

NVLAP #200349-0

TDH #30-0235

page 2 of 19

Approved Signatories:

Leslie Crisp. General Manager

David Bertolacci, Laboratory Director

David Bertolacci & Keith Malone

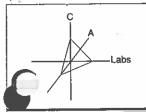
Analyst(s)

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.

"I 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 ecceptable 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 (PEM). 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 exproduced 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

CAL00041197 Client project name

Central Plant ACM-2000-01 and number:

Samples received: Turn-around time: 4-28-00 8:00am

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
EW-2-34	2	blue surfaced cloth mesh	n	none detected	30% cellulose	70% other
	3	off-white surfacing with fiber mesh	n	none detected	25% fiberglass	2% quartz 73% other
TO-1-36	1	velolow fibrous insulation	v	none detected	99% fiberglass	1% other

	3	off-white surfacing with fiber mesh	n	none detected	25% Hoerglass	73% other
TO-1-36	1	yelolow fibrous insulation	у	none detected	99% fiberglass	1% other
	2	blue surfaced cloth mesh on metal foil	n	none detected	30% cellulose	70% other
TO-1-37	1	yellow fibrous insulation	у	none detected	99% other	< 1% quartz 1% other
	2	blue surfaced cloth mesh	n	none detected	48% cellulose	52% other
PR-2-39	1	white styrofoam	у	none detected	< 1% cellulose	100% organics
	2	blue surfacing on metal foil	n	none detected	20% cellulose 3% fiberglass	25% carbonates 52% other

NVLAP #200349-0

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

TDH #30-0235

page 3 of 19

Leslie Crisp, General Manager

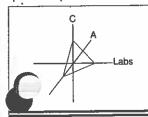
Bavid Bertolacci, Laboratory Director

Notes:

Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM Chaffield analysis of bulk material is recommended in this case.

It asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysis' percentages are susceptible to a coefficient of variance. All percentages fall within a range coeptable 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 (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 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859 fax #

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

Client project name

Central Plant

and number:

ACM-2000-01

CAL00041197

Samples received:

4-28-00 8:00am

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
PR-2-40	1	yellow fibrous insulation	у	none detected	98% fiberglass < 1% cellulose	2% other
	2	blue surfacing on cloth mesh	n	none detected	45% cellulose	55% other
	3	white surfacing	У	none detected	24% fiberglass	76% other
EW-3-42	1	gray fibrous insulation	У	12% chrysotile	28% mineral wool	2% quartz 58% gypsum
	2	blue surfaced cloth mesh and gray insulation layer	n	52% chrysotile	25% cellulose	< 1% mica 23% other
EW-3-43	1	gray fibrous insulation	у	13% chrysotile	25% mineral wool	62% gypsum
_	2	blue surfaced cloth mesh with gray insulation layer	n	50% chrysotile	35% cellulose	15% other
TO-2-45	1	white styrofoam	у	none detected		100% organics

NVLAP #200349-0

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

TDH #30-0235 page 4 of 19

Leslie Crisp, General Manager

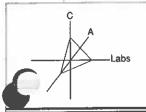
David Bertolacci, Laboratory Director

Notes:

Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM Chalfield analysis of bulk material is recommended in this case.

"I asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysis' percentages are susceptible to a coefficient of variance. All percentages fall within a range receptable 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 (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

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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859 fax #

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

CAL00041197 Client project name Central Plant

and number:

ACM-2000-01

Samples received:

4-28-00 8:00am

Turn-around time: PO number:

24 hours

Sample #	Layer #	Analysts Physical Description of Subsample	Homo- geneous (Y/N)	Asbestos type / calibrated visual estimate percent	Non-asbestos fiber type / percent	Non-fibrous typ- percent
TO-2-45	2	blue surfacing on canvas and fiber mesh	n	none detected	60% cellulose 2% fiberglass	38% other
TO-2-46	1	white styrofoam	у	none detected	37 PER 16	100% organic
	2	blue surfacing on canvas	n	none detected	45% cellulose	45% other

TO-2-46	1	white styrofoam	У	none detected		100% organic
7	2	blue surfacing on canvas and fiber mesh	n	none detected	45% cellulose 10% fiberglass	45% other
EW-4-48	1	gray fibrous insulation	у	15% chrysotile	20% mineral wool	2% quartz 63% gypsum
	2	green surfacing on fiber mesh	n	< 1% chrysotile	38% cellulose	62% other
EW-4-49	1	gray fibrous insulation	У	58% chrysotile	2% mineral wool	40% other
	2	green surfacing on fiber mesh with gray insulation layer	n	30% chrysotile	40% cellulose	2% mica 28% other
PR-3-51	1	yellow fibrous insulation	у	none detected	98% fiberglass < 1% cellulose	2% other

NVLAP #200349-0

TDH #30-0235

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

page 5 of 19

Leslie Crisp, General Manager

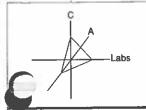
David Bertolacci, Laboratory Director

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.

"I 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 ceptable 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 (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 ced 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859 fax #

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

Client project name

and number:

CAL00041197

Central Plant ACM-2000-01

Samples received:

4-28-00 8:00am

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
PR-3-51	2	green surfacing on metal foil	n	none detected	42% cellulose	58% other
PR-3-52	1	yellow fibrous insulation	У	none detected	97% fiberglass 2% cellulose	1% other
	2	green surfacing on metal foil	n	none detected	45% cellulose	55% other
PR-4-54	1	gray fibrous insulation	у	44% chrysotile		56% carbonates
	2	red surfacing on canvas mesh	n	<1% chrysotile	52% cellulose	48% other
PR-4-55	1	beige fibrous insulation	у	none detected	15% synthetic fibers 5% fiberglass	2% quartz 78% carbonates
	2	red surfacing on canvas mesh	n	none detected	60% cellulose	40% other
EW-5-57	1	gray fibrous insulation	у	35% chrysotile	5% cellulose	60% carbonate

NVLAP #200349-0

Approved Signatories:

David Bertolacci & Keith Malone

Analyst(s)

TDH #30-0235 page 6 of 19

Leslie Crisp, General Manager

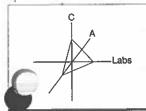
David Bertolacci, Laboratory Director

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.

some samples (1100f tites, surracing, etc.) may consum iteers too small to be detectable by r.i.m. 12m Chattered 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 sceptable 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 prist (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 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

Client project name

and number:

CAL00041197

Central Plant ACM-2000-01

Samples received:

4-28-00 8:00am

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
EW-5-57	2	red surfacing on canvas mesh	n	< 1% chrysotile	60% cellulose	40% other
EW-5-58 1	1	gray fibrous insulation	у	35% chrysotile	3.600	65% carbonates
	2	red surfacing on canvas mesh	n	10% chrysotile	45% cellulose	45% other
PR-5-60	1	gray fibrous insulation	у	41% chrysotile		59% carbonates
PR-5-61	1	gray fibrous insulation	у	45% chrysotile		55% carbonates
	2	orange surfacing on canvas mesh	n	<1% chrysotile	40% cellulose	2% mica 58% other
EW-6-63	1	gray fibrous insulation	у	49% chrysotile	4% cellulose	47% carbonate
	2	orange surfacing on canvas mesh	у	3% chrysotile	55% cellulose	42% other

NVLAP #200349-0

Approved Signatories:

David Bertolacci & Keith Malone

Analyst(s)

TDH #30-0235

page 7 of 19

Leslie Crisp, General Manager

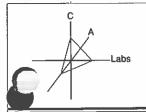
David Bertolacci. Laboratory Director

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.

'I asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysis' percentages are susceptible to a coefficient of variance. All percentages fall within a range ceeptable 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 (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 need 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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:

2 May 2000

CA Labs project no.

Client project name

CAL00041197 Central Plant

and number:

ACM-2000-01

Samples received:

4-28-00 8:00am

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
EW-6-64	1	gray fibrous insulation	у	14% chrysotile	28% mineral wool	2% quartz 54% gypsum
2	2	orange surfacing on canvas mesh	n	< 1% chrysotile	30% cellulose	70% other
PR-6-66 1	1	yellow fibrous insulation	у	none detected	98% cellulose	2% other
	2	silver surfaced black tar paper on metal foil	n	none detected	42% cellulose	< 1% quartz 58% other
PR-6-67	1	yellow fibrous insulation	у	none detected	98% fiberglass	2% other
	2	silver surfaced tar paper on metal foil	n	none detected	40% cellulose	< 1% quartz 60% other
EW-7-69	1	beige fibrous insulation	у	18% chrysotile	25% mineral wool	2% quartz 55% gypsum
EW-7-70	1	beige fibrous insulation	у	18% chrysotile	26% mineral wool	56% gypsum

NVLAP #200349-0

TDH #30-0235

Approved Signatories:

David Bertolacct & Keith Malone Analyst(s)

page 8 of 19

Leslie Crisp, General Manager

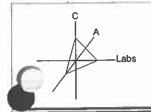
David Bertolacci, Laboratory Director

Notes:

Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM Chalfield analysis of bulk material is recommended in this case.

"I sabestos 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 cceptable 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 sairborne 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 produced 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859 fax #

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

Client project name

Central Plant ACM-2000-01

CAL00041197

Samples received:

4-28-00 8:00am

Turn-around time:

24 hours

PO number:

and 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
EW-7-70	2	silver surfacing canvas mesh	n	<1% chrysotile	40% cellulose	60% other
PR-7-72	1	yellow fibrous insulation	у	none detected	98% fiberglass	2% other
3	2	white surfacing on metal foil	n	none detected	42% cellulose 15% fiberglass	43% other
	3	black tar paper	У	none detected	43% cellulose	57% other
	4	tan surfacing on canvas	n	none detected	66% cellulose	34% other
PR-7-73	1	yellow fibrous insulation	у	none detected	98% fiberglass	2% other
2	2	white surfacing on metal foil	n	none detected	40% cellulose 20% fiberglass	40% other
	3	black tar paper	у	none detected	44% cellulose 2% fiberglass	54% other

NVLAP #200349-0

TDH #30-0235

page 9 of 19

Approved Signatories:

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

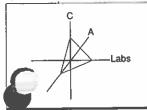
David Bertolacci & Keith Malone

Analyst(s)

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.

"asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysis' percentages are susceptible to a coefficient of variance. All percentages fall within a range coepitable 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 tysis (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 opproduced 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

CAL00041197

Client project name and number:

Central Plant

ACM-2000-01

Samples received:

4-28-00 8:00am

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
PR-7-73	4	tan surfacing on canvas	n	none detected	55% cellulose 5% fiberglass	< 1% quartz
EW-8-75 1	1	yellow fibrous insulation	у	none detected	98% fiberglass	2% other
	2	white surfacing	у	none detected	15% fiberglass	5% quartz 80% other
3	3	tan surfacing on canvas and white vinyl layer	n	none detected	15% cellulose	85% other
EW-8-76	1	yellow fibrous insulation	у	none detected	99% fiberglass	1% other
	2	white fiber mesh	у	none detected	100% fiberglass	
	3	tan surfacing on canvas	n	none detected	60% cellulose	2% quartz 38% other
	4	white vinyl	у	none detected	< 1% fiberglass	100% organics

NVLAP #200349-0

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

TDH #30-0235 page 10 of 19

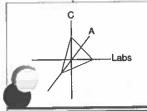
Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

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. ome samples (1100r (11es, surfacing, etc.) may contain 110ers too small to be detectable by PLM. I EM Chattield analysis of bulk material is recommended in this case.

I 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 coeptable 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 activities (PEM) and airborne asbestos fiber analysis (PEM). 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 percentage accept 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 ner 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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:

2 May 2000

CA Labs project no.

CAL00041197

Client project name

Central Plant

ACM-2000-01

Samples received:

4-28-00 8:00am

Turn-around time:

24 hours

PO number:

and 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
PR-8-78	1	gray fibrous insulation	у	24% chrysotile		76% carbonates
	2	tan surfacing on canvas	n	< 1% chrysotile	54% cellulose	< 1% quartz 46% other

PR-8-78	1	gray fibrous insulation	у	24% chrysotile		76% carbonates
	2	tan surfacing on canvas	n	< 1% chrysotile	54% cellulose	< 1% quartz 46% other
PR-8-79	1	gray fibrous insulation	у	35% chrysotile	4% cellulose	61% carbonates
	2	tan surfacing on canvas	У	2% chrysotile	48% cellulose	50% other
EW-9-81	1	gray fibrous insulation	у	78% chrysotile	< 1% fiberglass	2% biotite 20% other
	2	tan surfacing on canvas with gray insulation	n	5% chrysotile	55% cellulose	40% other
EW-9-82	1	tan and gray fibrous insulation and surfacing mixed	n	74% chrysotile	3% fiberglass	23% other
TO-3-84	1	gray fibrous insulation	у	20% chrysotile	15% mineral wool	65% gypsum

NVLAP #200349-0

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

TDH #30-0235

page 11 of 19

Leslie Crisp, General Manager

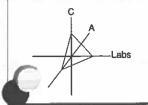
David Bertolacci. Laboratory Director

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.

'I asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysis' percentages are susceptible to a coefficient of variance. All percentages fall within a range 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 ced except in full, without written pe rmission 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859 fax #

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

Client project name

and number:

CAL00041197

Central Plant ACM-2000-01

Samples received: Turn-around time:

4-28-00 8:00am

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
TO-3-84	2	tan surfacing on canvas with gray insulation	n	10% chrysotile	42% cellulose	48% other
TO-3-85 1	tan fibrous insulation	у	none detected	15% synthetic fibers 5% fiberglass	2% quartz 78% other	
	2	tan surfacing canvas	у	none detected	60% cellulose < 1% synthetic fibers	40% other
TO-3-87	1	pink surfaced mesh material	n	4% chrysotile	36% cellulose	3% quartz 57% other
	2	off-white fibrous insulation	у	28% chrysotile	1% cellulose 42% mineral wool	3% quartz 26% carbonate
TO-4-88	1	green surfaced mesh material	n	< 1% chrysotile	48% cellulose	2% quartz 50% other
	2	off-white fibrous insulation	у	36% chrysotile		3% quartz 61% other
TI-1-90	1	tan surfaced mesh material	n	2% chrysotile	52% cellulose	3% quartz 43% other

NVLAP #200349-0 TDH #30-0235

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

page 12 of 19

Leslie Crisp, General Manager

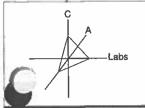
David Bertolacci, Laboratory Director

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.

nine samples (noor tires, surmaning, even, may contain more too small to be detectable by FLM. 1EM CHRITICIO analysis of total material is recommended in this case.

"I asbestos percentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysis' percentages are susceptible or a coefficient of variance. All percentages fall within a range ceptable 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 ysis (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 percentage accept 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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:

CA Labs project no.

CAL00041197

Midwestern State University

Client project name

Central Plant

3410 Taft Blvd.

2 May 2000

Report Date:

and number:

ACM-2000-01

phone # 940-397-4827 fax #

Attn: Flint Skaggs

940-397-4859

Wichita Falls, TX 76308-2099

Samples received:

4-28-00 8:00am

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
TI-1-90	2	gray fibrous insulation	у	40% chrysotile		3% quartz 57% other

TI-1-90	2	gray fibrous insulation	у	40% chrysotile		3% quartz 57% other
TI-1-91 1	1	tan mesh with foil	n	none detected	2% synthetic fibers 5% fiberglass 27% cellulose	3% quartz 63% other
	2	tan mesh material	n	none detected	46% cellulose	2% quartz 52% other
	3	yellow fibrous insulation	у	none detected	100% fiberglass	
TI-2-93	1	blue surfaced mesh material	n	< 1% chrysotile	46% cellulose	3% quartz 51% other
	2	gray fibrous insulation	у	2% chrysotile	1% cellulose 12% fiberglass	3% quartz 82% gypsun
TI-2-94	1	blue surfaced mesh material	n	none detected	42% cellulose	3% quartz 55% other
	2	gray fibrous insulation	у	3% chrysotile	1% cellulose 15% fiberglass	3% quartz 78% gypsun

NVLAP #200349-0

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

TDH #30-0235 page 13 of 19

Leslie Crisp, General Manager

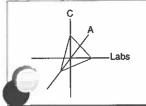
David Bertolacci. Laboratory Director

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.

"I 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 coeptable 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 lysis (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 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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

SMT-2-107 7 1

MO-2-105

Report Date:

2 May 2000

CA Labs project no.

CAL00041197

Client project name and number:

Central Plant ACM-2000-01

Samples received:

4-28-00 8:00am

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
MC-3-96	1	blue surfacing tan caulking	n	<1% chrysotile		2% quartz 13% carbonates 85% matrix
MC-3-97	1	blue surfaced tan caulking	n	< 1% chrysotile		2% quartz 15% carbonates 83% matrix
	2	brown fibrous material	у	none detected	27% cellulose	1% quartz 72% binder
MC-4-99	1	yellow cau	у	none detected	1% cellulose	1% quartz 98% binder
MC-4-100	1	brown granular material	n	none detected	1% cellulose	42% quartz 57% other
SMT-2-102	1	white textured surfacing on drywall	n	none detected		2% quartz 68% gypsum 30% other

NVLAP #200349-0

none detected

none detected

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

white textured surfacing

green plaster base board

on drywall

TDH #30-0235 page 14 of 19

Leslie Crisp, General Manager

1% cellulose

David Bertolacci, Laboratory Director

2% quartz

70% gypsum 28% other

3% quartz

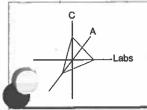
12% carbonates 84% binder

у

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.

"I 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 coeptable 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 alysis (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 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859 fax#

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

CAL00041197 Client project name

and number:

Central Plant ACM-2000-01

Samples received:

4-28-00 8:00am

24 hours

Turn-around time: 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 apercent
MO-2-105	2	white mastic	у	none detected	1% cellulose	2% mica 97% binder
MO-2-106	1	green plaster base board	у	none detected	1% cellulose	2% quartz 12% carbonates 85% binder
TI-3-108 1	1	black vinyl surfacing	у	none detected	1% cellulose 1% fiberglass	1% mica 97% binder
	2	yellow fibrous insulation	у	none detected	100% fiberglass	
TI-4-109	1	black surfaced white compound	n	3% chrysotile		2% mica 95% binder
	2	gray duct tape	у	none detected	38% cellulose 1% fiberglass	61% binder
	3	white vinyl material	у	none detected	A STATE OF THE STA	100% binder
	4	yellow fibrous insulation	у	none detected	100% fiberglass	***

NVLAP #200349-0

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

TDH #30-0235 page 15 of 19

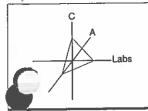
Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

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.

"It absents of procentages are based on calibrated visual estimates traceable to NIST standards for regulated asbestos types. Analysts' 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 ceeptable 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 alysis (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 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 ass 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

CAL00041197

Client project name

Central Plant

and number:

ACM-2000-01

Samples received:

4-28-00 8:00am

Turn-around time:

24 hours

PO	num	ber:
----	-----	------

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
TI-4-111	1	black vinyl surfacing	у	none detected	1% cellulose	1% mica 98% binder
	2	yellow fibrous insulation	у	none detected	100% fiberglass	4
TI-4-112	1	black surfaced white compound	n	4% chrysotile		3% mica 97% binder
TO-5-114	1	gray mesh material	n	2% chrysotile	62% cellulose	1% mica 35% other
<u>.</u>	2	gray fibrous insulation	у	48% chrysotile		4% quartz 48% gypsum
	3	tan surfaced mesh material	n	2% chrysotile	27% cellulose	2% mica 69% other
TO-5-115	1	gray mesh material	n	none detected	46% cellulose	1% mica 53% other
	2	tan surfaced mesh material	n	<1% chrysotile	31% cellulose	2% mica 67% other

NVLAP #200349-0 TDH #30-0235

Approved Signatories:

David Bertolacci & Keith Malone

Analyst(s)

page 16 of 19

Leslie Crisp, General Manager

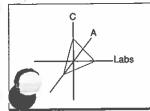
David Bertolacci, Laboratory Director

Notes:

Some samples (floor tiles, surfacing, etc.) may contain fibers too small to be detectable by PLM. TEM Chalfield analysis of bulk material is recommended in this case.

"I 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 ceptable 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 airrorn esbestos 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 eproduced 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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 940-397-4859

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

Client project name

and number:

CAL00041197

Central Plant ACM-2000-01

Samples received:

4-28-00 8:00am

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
TO-5-115	3	gray fibrous insulation	у	<1% chrysotile	41% cellulose 2% synthetic fibers	2% quartz 55% other
	4	off-white fibrous insulation	у	26% chrysotile	51% fiberglass	2% quartz 21% gypsum
	5	brown granular material	у	none detected	5% fiberglass	1% mica 94% binder
TO-6-117	1	gray duck tape	у	none detected	3% synthetic fibers 44% cellulose	1% quartz 52% other
	2	brown foam material	у	none detected	1% cellulose 98% cellulose	1% quartz
TO-6-118	1	gray and green mesh material	n	< 1% chrysotile	48% cellulose 2% fiberglass	2% quartz 48% other
	2	off-white fibrous insulation	у	32% chrysotile	49% fiberglass	3% quartz 16% gypsum
TO-6-120	1	tan surfaced mesh material	n	< 1% chrysotile	46% cellulose	2% mica 52% other

NVLAP #200349-0

TDH #30-0235

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

page 17 of 19

Leslie Crisp, General Manager

David Bertolacci, Laboratory Director

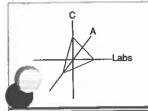
Notes:

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.

"I 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 coeptable 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 airport 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

produced 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



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:

2 May 2000

CA Labs project no.

Client project name

and number:

CAL00041197

Central Plant ACM-2000-01

Samples received:

4-28-00 8:00am

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
TO-6-120	2	green mesh material	n	2% chrysotile	49% cellulose	2% quartz 47% other
	3	off-white fibrous insulation	у	27% chrysotile	55% fiberglass	3% quartz 15% gypsum
TO-7-121	1	green mesh material	n	2% chrysotile	52% cellulose	3% quartz 43% other
	2	off-white fibrous insulation	у	34% chrysotile	47% fiberglass	3% quartz 16% gypsum
TO-8-123	1	green mesh material	n	none detected	50% cellulose	2% quartz 48% other
	2	off-white fibrous insulation	у	none detected	21% cellulose 49% fiberglass	3% quartz 27% gypsum
TO-8-124	1	green mesh material	n	none detected	47% cellulose	3% quartz 50% other
	2	off-white fibrous insulation	у	none detected	17% cellulose 55%fg	3% quartz 26% gypsum

NVLAP #200349-0

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

TDH #30-0235

page 18 of 19

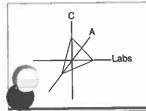
Leslie Crisp, General Manager

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.

"I 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 ucceptable 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 airrorne 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 eproduced 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 (90) days before discarding. A shipping and



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 940-397-4859 fax #

Attn: Flint Skaggs

Report Date:

2 May 2000

CA Labs project no.

CAL00041197

Client project name

Central Plant

and number:

ACM-2000-01

Samples received:

4-28-00 8:00am

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
TO-9-126	1	gray duct tape	n	none detected	5% synthetic fibers 47% cellulose	1% quartz 47% other
	2	black foam material	у	none detected	1% cellulose 98% other	1% quartz
TO-9-127	1	gray duct tape	n	none detected	43% cellulose 3% synthetic fibers	2% quartz 52% other
<i>17</i>						

NVLAP #200349-0

Approved Signatories:

David Bertolacci & Keith Malone Analyst(s)

TDH #30-0235

page 19 of 19

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.

If 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 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 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 (90) days before discarding. A shipping and handling fee may be assessed for the return of any samples.



Crisp Analytical Laboratories, LLC. 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:	3/10 Taft	n State Univ Blyd. alls, TX 763	Billing A	Address:	CAL O	0041	197
phone number: fax number: Project Number:	940-397-44 940-397-44 ACM-2000-	8 5 9	Send Re			mental S	
Total # Sar	nples Submit		Fotal # Sample	580	.	A	rial Matrix:
Asbestos:		The second secon	all ahead for ava				urs samples.
TEM	TA Time	(PL		rA Time		PCM ysis and TA time	1A time
Circle analysis and TA time AHERA EPA Level II Drinking Water Wipe Micro-vac NIOSH 7402 Chatfield Bulk Lead: circle Matrix:	<i>4 hour</i> 8 hour	Improved Interim AHERA Point Cour (NESHAP)	4 h 8 h 16 l 24 l 2 d nt - 3 d	our our hour ays ays ays	NIOSH	Wipes	4 hour 8 hour 16 hour 24 hour 2 days 3 days 5 days
TA Time:	8 hour	1 day	2 days	3 days	3	5 days	6-10 days
Sample Information Sample Numb		Sample Lo		3/1 x	Sam	ple Volur	ne (L):
Custody Informat Samples relinquis Samples relinquis	hed: <u>(lalls)</u> Sign hed:	nature / Date / Ti	me Samp	oles received	:	니. Q용· C Signature / I Signature / I	Date / Time

ESESIS

11022 FM 3326 South Hawley, Texas 79606 915-691-0172 <> 800-793-7255 FAX 915-695-8455

SAMPLE CUSTODY

RELINQUISED BY: Charles Then	DATE: April 26 2000
RECEIVED BY:	DATE:,2000
NUMBER OF SAMPLES ENCLOSED:	SO

				J. 92		<u> </u>
	6 HOUR	12 HOUR	REQUESTED TIME FO	<i>R ANALYSIS</i> 48 HOUR	60 HOUR	72 HOUR
	Sample N		Material	Location		
1.	24	MFC-1	Vibration Boot	Over the exit door, V	Vall 4	
2.	25	MFC-1	Vibration Boot	Over the exit door, V		
2. 3.	27	EW-1	Elbow wrap & insulation	Above ceilings in co		
<i>3</i> . 4.	28	EW-I	Elbow wrap & insulation	Above ceilings in co	ntrol office	
4 . 5.	30	PR-1	Insulation on pipe run	In the plant at chiller	S	
5. 6.	31	PR-1	Insulation on pipe run	In the plant at chiller	S	
7.	33	EW-2	Insulation on pipe elbows	In the plant at chiller	's =	
8.	34	EW-2	Insulation on pipe elbows	In the plant at chiller	'S	
9.	36	TO-1	Insulation on water valve	In plant at chillers-1	" valve	
). 10		TO-1	Insulation on water valve	In plant at chillers-1	* valve	
11		PR-2	Insulation on water line	In plant at chillers		
12		PR-2	Insulation on water line	In plant at chillers		
13		EW-3	Insulation on water line elbows	South side of mech.	room	
	. 43	EW-3	Insulation on water line elbows	South side of mech.	room	
15		TO-2	Insulation on connectors	On chilled water line	es	
16		TO-2	Insulation on connectors	On chilled water line	es	
17		EW-4	Insulation on city water supply	Elbows of water sup	ply	
18		EW-4	Insulation on city water supply	Elbows of water sup	ply	
	. 51	PR-3	Insulation on pipe runs	On city water lines		
	. 52	PR-3	Insulation on pipe runs	On city water lines		
	. 54	PR-4	At pipe runs	Boiler above contro	l panel	
	55	PR-4	At pipe runs	Boiler on top side		
	5. 57	EW-5	At pipe runs at elbows	Elbow above boiler		
	. 58	EW-5	At pipe runs at elbows	Large gote valve		
	60	PR-5	At pipe runs	Over the door		
	6. 6I	PR-5	At pipe runs	Into carrier unit abo	ve door	
27		EW-6	Elbows of pipe runs	Elbow at 2 ton hois	t	
	3. 64	EW-6	Elbows of pipe runs	Elbow coming form	1 #6 l	
29		PR-6	At pipe runs	Over the door		
30		PR-6	At pipe runs	Over the door		
3		EW-7	Elbows of pipe run	Over the door		
32		EW-7	Elbows of pipe run	Elbow at #67		
3:		PR-7	Pipe runs from boilers	Out of control pane	:1	
34		PR-7	Pipe runs from boilers	Side of control pan	el	
3.		EW-8	Pipe runs at elbows	Out of control pane	:l	
30	-	EW-8	Pipe runs at elbows	Attached to #73		
3.		PR-8	Pipe runs at boilers	Side of control pan		
3		PR-9	Pipe runs at boilers	Side of control pan		
	9. 8l	EW-9	Pipe runs at elbows	Elbow on pipe run	#78	

ESESIS 11022 FM 3326 South Hawley, Texas 79606 915-691-0172 <> 800-793-7255 FAX 915-695-8455

SAMPLE CUSTODY

RELINQUISED BY:	DATE:,	_ 2000
RECEIVED BY:	DATE:	_ 2000
NUMBER OF SAMPLES ENCLOSED:		

_	REQUESTED TIME FOR ANALYSIS						
	6 HOUR	12 HOUR	24 HOUR	36 HOUR	48 HOUR	60 HOUR	72 HOUR
	Sample N	lo. Code	Material		Location		
40.	82	EW-9	Pipe runs at elbows	3	Elbows of pipes run	#79	
42.		TO-3	Insulation from bo		Ceiling of boiler		
43.		TO-3	Insulation from boi		Ceiling of boiler		
44.	87	TO-4	Drain plugs of boil		Front drain plug		
45.	88	TO-4	Drain plugs of boil		Drain plug on whar	nmed	
46.	90	TI-1	Boiler tank insulati		Tank insulation at b		
47.	91	TI-1	Boiler tank insulati		Boiler insulation or	plattorm	
48.	. 93	TI-2	Boiler tank insulat		Blue water tank ins		
49.	. 94	TI-2	Boiler tank insulat	ion	Blue water tank ins		
50.	. 96	MC-3	Interior caulking		Vent window #2 or		
51.	. 97	MC-3	Interior caulking		Vent window on ea		
52		MC-4	Caulk on pipes		North wall gas line		
	. 100	MC-4	Caulk on pipes		South wall next to		
54	. 102	SMT-2	Texture on walls		West wall under fit		
55	. 103	SMT-2	Texture on walls		West wall of juncti North wall of breal		
56	. 105	MO-2	Cove base in mech		West wall exterior		
57	. 106	MO-2	Cove base in mech		***************************************	at South door	
58		TI-3	Insulation on blac		Middle of tank		
59	. 109	TI-3	Insulation on black		Lt. End cap of tank		
60		TI-4	Insulation on lowe		Middle of the tank		
	. 112	TI-4	Insulation on lowe		Lt. End cap of tank		
	. 114	TO-5	Insulation on "Ma		PFT. Of front cap		
	. 115	TO-5	Insulation on "Ma		Middle of cylinder "Mama rod" next	o control unit	
	. 117	TO-6	Insulation on fittir				
	i. 118	TO-6	Insulation on fitting		"Mama rod" at cyl		
_	5. 120	TO-7	Insulation on unit		Middle of cylinder		
	. 121	TO-7	Insulation on unit		Rear end cap		
-	3. 123	TO-8	Insulation on unit		At cylinder		
_	. 124	TO-8	Insulation on unit		At elbow	n the end	
). 126	TO-9	Gray wrap at dam		"Big daddy rod" o		
7	1. 127	TO-9	Gray wrap at dam	age	Under "Big daddy	ion sign	



LAB AND PERSONNEL LICENSES/CERTS

CONSULTING AGENCY LICENSE'S

TEXAS

DEPARTMENT OF HEALTH

BE IT KNOWN THAT

ESESIS, INC.

is Licensed and authorized to perform as an

Asbestos Consultant Agency

and or revoked and is renewed Etyl Statutes, Article 4477-3a, ras Board of Health. according to the rules as amended, so long as this in the State of Texas within

Jat 4 Duy

License Number

10-0022

Issue Date

04/11/2000

Expiration Date 04/10/2001

This certificate is void after expiration date.

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

William R. Archer III, M.D. Commissioner of Health VOID IF ALTERED NON-TRANSFERABLE 51028

TEXAS

DEPARTMENT OF HEALTH

BE IT KNOWN THAT

NORTH AMERICAN ANALYTICAL LABS, INC.

is Licensed and authorized to perform as an

Asbestos Consultant Agency

hed or revoked and is renewed Statutes, Article 4477-3a, Board of Health. as amended, so long as this according to the rules in the State of Texas within

10-0102

License Number

06/29/1999 Issue Date 06/28/2000

Expiration Date

This certificate is void after expiration date.

Jan 7 Wmy

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

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

VOID IF ALTERED NON-TRANSFERABLE

44994

TEXAS

DEPARTMENT OF HEALTH

BE IT KNOWN THAT

NORTH AMERICAN ANALYTICAL LABS, INC

is Licensed and authorized to perform as an

Asbestos Consultant Agency

pended or revoked and is renewed kas Civil Statutes, Article 4477-3a, Exas Board of Health. according to the rules add as amended, so long as this Erecen in the State of Texas within the

Jan 7 Dury

Todd F. Wingler, P.E. Chief, Asbestos Prozna

License Number

10-0102

06/29/2000

lood I. Winglet, F.E.
Chief, Asbestos Programs Branch
Occupational Safety and Health Division

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

This certificate is void after expiration date.

Expiration Date

lssue Date 06/28/2001 VOID IF ALTERED NON-TRANSFERABLE

52391

INDIVIDUAL CONSULTANTS

Texas Department of Health certifies that: DENNY E WALKER

License Number 10-5023

is Licensed as an

Asbestos Individual

Consultant

Prom 12/21/1999 To 12/20/2000

William R. Archer III, M.D.

Commissioner of Health

Control No. 48992

Texas Department of Health certifies that

DENNY E WALKER

License Number 105023 is Licensed as an

Individual Asbestos Consultant

From 12/21/2000 To 12/20/2001

William P. Archer III. M.D.

Control No. 55305

Commissioner of Health

GEBCO ASSOCIATES

THE UNIVERSITY OF NORTH TEXAS in cooperation with certifies that

Denny E. Walker

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.



Date of Israe 10/27/99 re-issued May 4, 2009

Centificate Number 99214

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

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

GEBCO ASSOCIATES

THE UNIVERSITY OF NORTH TEXAS in cooperation with certifies that

Denny E. Walker

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

Asbestos Management Planner 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. It covers topics listed in the NESIIAP training requirement of 40 CFR, Part 61, subpart M.

Certificate expires October 27, 2000.





Pare of tarc. 10/27/99 re-isoted May 4,2400

Cereficate Sumber 99113

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

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

ASBESTOS LICENSING SECTION REVISED JULY 1996

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

APPLICAN	TS NAME: WELKE	s De	2014	E
ADDRESS:	Last Last Street	chad	Aby lease	M.I. 7× >960 Zip
SOCIAL SE	CURITY #: 467-19	-9551 TEI	EPHONE #: 5/5	1691-017
The above-n	amed individual was seen on	19511	in accord	lance with:
(1)	29 CFR 1926.1101	OR (2)	40 CFR 763.121	٠
INDICATE	WHICH ITEMS WERE PERFORME	ED WITH PHYSICIA	N'S OR ASSISTANT	S INITIALS:
MN	Completion and review of the standardirected to the pulmonary, cardiovas in 1926.1-101.			
MN	If employed, the employer providemployee's duties as they relate to the exposure level, the personal protect information from previous medical ento the physician.	e employee's exposure	e, the employee's repre	sentative or anticipated by the employee, and
MN	A physical examination with emphas	is upon the pulmonary	, cardiovascular, and g	astrointestinal systems.
WM	The pulmonary function tests of force (FEV I) in accordance with NIOSH) and forced expirator	y volume at one second
WN	Indicate whether or not the physician an x-ray was performd:yes of current film on file with interpretal According to 29 CFR 1926.1101(Miscretion.	no. A chest re	centgenogram, posterio th 29 CFR 1926.1101	pr-anterior, 14" x 17" or , Appendix E. <u>NOTE</u> :
m	The employee was informed by the p may result from asbestos exposure in effect of smoking and asbestos expo	cluding the increased		
employee a	wise noted below, this evaluation indi t an increased risk of material heal ed on the employee concerning the us	th impairment from	exposure to asbestos,	and no limitations are
Comments o	r limitations, if any:		<u></u>	
115		<u></u> .		
Milho	ul New PA	MICHAGE Print Physician's Nan	NJOTH &	(7)640-1111
1000	Water Datting	A. A	TV -	76010
Street Addre	>.WUISCI	City Med-Alect In	dustrial Health	State Zip
		IDD S. Walso	xs Rd. C⊟ే ∋ 108	

GEBCO ASSOCIATES

in cooperation with

THE UNIVERSITY OF NORTH TEXAS

certifies that

Denny E. Walker

67-19-9531

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, 2000

This is an EPA fully approved course for purpose of accreditation under Section 206 of TSCA, Title II.

Sam 4. Knst

President

Date of issue 10/27/00 Certificate Number, 00213

GEBCO's Training Programs are provided in ecoperation 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.

Celdificate expires: 10/27/2001

GEBCO Associates. Inc. * 669 Airport Freeway, Surk 210 * Hurst, TX 76053 * (#17) 268-4006

-1

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 Fraining Program entitled

Asbestos Management Planner Refresher

Conducted at Hurst, Texas on October 25, 2000

This is an EPA fully approved course for purpose of accreditation under Section 206 of ISCA, Title II. It covers topics listed in the NESIIAP training requirement of 40 CFR.

Name to Tra

Date of issue, 10,25,00

Certificate Number 00117

GFBC US Training Programs are provided in cooperation with federal and state regulatory agencies, and fulfill all applicable requirements for occreditation GFBCO is Increased for Ashestos Training under the Texas Asbestos Health Protection Rules

Mifficate expires: 1025/2001 1.6 Continuing Education units

GEBCO Associates, Inc. * 669 Airport Freeway, Suite 210 * Hurst, TX 76053 * (817) 268-1006

OF HEALTH ES CONTROL DIVISION

PHYSICIAN'S WRITTEN STATEMENT MEDICAL SURVEILLANCE FOR ASBESTOS EXPOSURE

APPLICAN	T'S NAME: Walker Denry First M.I.
ADDRESS:	4601 Buttalo Gaphel Abilence TX 796060 Street State Tip
SOCIAL SE	ECURITY # 4/67-19-9531 TELEPHONE # 915) 691-017-2
The above-r	named individual was seen on $10-29-2000$, in accordance with:
INDICATE	WHICH ITEMS WERE PERFORMED WITH PHYSICIAN'S OR ASSISTANT'S INITIALS: e not applicable, must still be initialed off in addition to the N/A.)
SB An	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 1926.110).
	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 effected employee that is not otherwise available to the physician.
	A physical examination with emphasis upon the pulmonary, cardiovascular and gastrointestinal systems.
	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.
B	Indicate whether or not the physician decided that an x-ray was required and was performed:
US	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.
employee a recommend form, I ack	erwise noted below, this evaluation indicates that no medical conditions were detected that would place the at an increased risk of material health impairment from exposure to asbestos, and no limitations are ded in the employee concerning the use of personal protective equipment or respirator. By signing this mowledge that this examination has been performed in accordance with either 29 CFR 1926.1101 or 40 211 is required.
Comments	or limitations, if any: 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Physician's	Signature Print Physicians Name Dennett (180) 640 -1111
185 Street Addr	S. Watson Rd. Arlington TX: 76010 Ress State 74010

Texas Department of Health certifies that:

CHARLESTHORN

License Number 105047 is Licensed as an Individual Ashestos Consultant

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

Williams R. Sufficient of Health

Control No. 49241

Texas Department of Health certifies that:

CHARLES THORN

License Number 105047 is Licensed as an Individual Ashestos Consultant

From 12/29/2000 To 12/28/2001

William R. Arbert Dr. MD

Control No. 55232

Commence Claim





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.

GIRCO Synthian

Date of Issue 10/27/99 Certificate Number 99213

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

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



Charles M. Thorn

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

Asbestos Management Pfanner 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. It covers topics listed in the NESHAP training requirement of 40 CFR, Part 61, subpart M.

Certificate expires October 27, 2000.

Certificate Number: 99114 Date of Issue 10/27/99

GEBCO's Training Programs are provided in cooperation with federal and state regulatory agencies, and fulfill all applicable requirements for accreditation. (FFBCO 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

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

APPLICANT	rs name:	ThoRN		Ch	arls	\mathcal{M}
ADDRESS:	_	Duern Anns	hace	Abilera	First	79606 Zip
SOCIAL SE	CURITY #:_	464-56-90		TELEPH	·	95-1866
The above-n	amed individ	ual was seen on	<i>//-/7-</i>	.99	, in accordance	e with:
(1)	✓ 29 CI	FR 1926.1101	OR (2)	40 CFR 763.121	
INDICATE	WHICH ITE	MS WERE PERFOR	MED WITH	PHYSICIAN'S	OR ASSISTANTS I	NITIALS
₽€	Completion a directed to the in 1926.110	he pulmonary, cardic	ndardized me ovascular, an	dical questionnai d gastrointestinal	re and work history w systems per part 1 as	ith special emphasis and 2 of Appendix D
PE	employee's d	luties as they relate to vel, the personal pro from previous medica	the employe tective and r	ee's exposure, the espiratory equip	e of, the employer's employee's represen ment to be utilized by I employee that is not	tative or anticipated the the tation of the employee, and
DE.	A physical e	xamination with emp	hasis upon t	ne pulmonary, car	diovascular, and gast	rointestinal systems.
DE_	The pulmon (FEV 1) in a	ary function tests of faccordance with N10	orced vital co	apacity (FVC) and S standards.	d forced expiratory v	olume at one second
PE	an x-ray was	s performd: ye on file with interpr	es or	no. A chest roents cordance with 2	genogram, posterior-a 9 CFR 1926.1101, A	no, and if noterior, 14" x 17" or appendix E. NOTE: is at the physician's
PE	may result fi	ee was informed by the community of the	re including t	of the results of the beincreased risk	ne exam and of any m of lung cancer attribu	edical conditions that table to the combined
employee a	at an increase	ed risk of material h	health impai	ment from expe	ditions were detected osure to asbestos, an equipment or respirate	that would place the id no limitations are or.
Comments	or limitations,	ifany:	0 (0	ostnot	10n s	,
Physician's	Of Signature	1	Print Ph	VICOPA C	817-	/ / / / / Telephone
N5	5. 6.395	ton Rd. ST.	= 101	Aslinst	bon, Texa	57401
Street Addr	ress		City		/ 5	state Zip

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 25, 2000

This is an EPA fully approved course for purpose of accreditation under Section 206 of

ISCA, Title II.

frisscate expires: 1025/2001

Certificate Number: 00212

(it. HCO's Training Programs are provided in cooperation with federal and state regulatory agencies, and fulfill all applicable requirensents for necreditation. GFBCO is Incrused for Asbestos Fraining under the Texas Asbestos Health Protection Rules

GEBCO Associates, Inc. * 669 Airport Freeway, Suite 210 * Hurst, TX 76053 * (817) 268-1006

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 Management Planner Refresher

Conducted at Hurst, Texas on October 25, 2000

This is an EPA fully approved course for purpose of accreditation under Section 206 of TSCA, Title II. It covers topics listed in the NESHAP training requirement of 40 CFR.

Part 61, subpart M.

Sam to. K

President

Preside

rificate expires: 1025/2001 1.6 Continuing Education units

> Date of Issue: 10/25/00 Certificate Number: 00121

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

GFBCO Associates, Inc. * 669 Airport Freeway, Suste 210 * Hunt. TX 76053 * (817) 268-4006

MEDICAL SURVEILLANCE FOR ASBESTOS EXPOSURE (Revised July 1996)

ADDRESS: Street Or State Or State Social Security #. How Add Telephone #: 9,5,695,1866 The above-named individual was seen on Or 100 Telephone #: 9,5,695,1866 The above-named individual was seen on Or 100 Telephone #: 9,5,695,1866 The above-named individual was seen on Or 100 Telephone #: 9,5,695,1866 The above-named individual was seen on Or 100 Telephone #: 9,5,695,1866 Indicate Whitch (TEMS WERE PERFORMED WITH PHYSICIAN'S OR ASSISTANT'S INITIALS 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. 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 physicien. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems. The pulmonary function tests of forced vitial capacity (PVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards. Indicate whether or not the physician decided that an x-ray was required: yes or no, and if an x-ray was performed: yes or no. A chest roengenogram, 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. The employee was informed by the physician of the results of the exam and of any medical conditions that may result from asbestos exposure: Unless otherwise noted below, this evaluation indicates that no medical conditions were detected that would place the employee at an increased r	APPLICAN	T'S NAME:	10RM	Charle	m
In accordance with: (1) 29 CFR 1926.1101 OR (2) 40 CFR 765.121 INDICATE WHICH ITEMS WERE PERFORMED WITH PHYSICIAN'S OR ASSISTANT'S INITIALS: Completion and review of the standardized medical questionnaire and work history with special comphasis directed to the pulmonary, cardiovascular, and gastrointestinal systems per part 1 and 2 of Appendix D in 1926.1101. 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. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems. The pulmonary function tests of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NJOSH and ATS standards. Indicate whether or not the physician decided that an x-ray was required: yes or no, and if an x-ray was performed: yes or no. A chest reentgenogram, 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. 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,	ADDRESS:	65 040	on Annie Lac	First Abilene State	7960£
INDICATE WHICH (TEMS WERE PERFORMED WITH PHYSICIAN'S OR ASSISTANT'S INITIALS 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. If employed, the employer provided, and review was made of, the employer's description of this employer's duries as they relate to the employer's exposure, the employer's representative of exposure level, the personal protective and respiratory equipment to be utilized by the employee, and information from previous medical examinations of the affected employer that is not otherwise available to the physician. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems. The pulmonary function tests of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NJOSH and ATS standards. Indicate whether or not the physician decided that an x-ray was required: an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was required: yes or no, and if an x-ray was required: yes or no, and if an x-ray was required: yes or no, and if an x-ray was required: yes or no, and if an x-ray was required: yes or no, and if an x-ray was required: yes or no, and if an x-ray was performed: yes or no, and if an x-ray was required: yes or no,	SOCIAL SE	CURITY #: 46	4-66-9009	TELEPHONE #: 915	695-1866
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. 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. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems. The pulmonary function tests of forced vital capacity (PVC) and forced expiratory volume at one second (FEV I) in accordance with NJOSN and ATS standards. Indicate whether or not the physician decided that an x-ray was required; yes or no, and if an x-ray was perforned: 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. 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 iting cancer atributable to the combined effect of smoking and asbestos exposure including the increased risk of iting cancer atributable to the combined effect of smoking and asbestos exposure including the increased risk of iting cancer atributable to the combined effect of smoking and asbestos exposure including the increased risk of iting cancer atributable to the combined effect of smoking and asbestos exposure including the increased risk of iting cancer atributable to the combined effect of smoking and asbestos exposure including protective equipment or respirator	The above-	named jirdividual was s	een on <u>12 -27 - C</u>	in accord	lance with:
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. 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. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems. The pulmonary function tests of forced vital capacity (PVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards. Indicate whether or not the physician decided that an x-ray was required:	(1)	29 CFR 1926.	1101 OR (2)	40 CFR 763.121	
directed to the pulmonary, cardiovascular, and gastrointestinal systems per part 1 and 2 of Appendix D in 1926.1101. If employed, the employer provided, and review was made of, the employer's description of this employer's duties as they relate to the employer's exposure, the employer'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. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems. The pulmonary function tests of forced vital capacity (PVC) and forced expiratory volume at one second (FEV 1) in accordance with NIOSH and ATS standards. Indicate whether or not the physician decided that an x-ray was required: yes or no, and if an x-ray was performed: yes or no. A clear roentgenogram, posterior-naterior, 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. The employee was informed by the physician of the results of the exam and of any medical conditions thet may result from asbestos exposure including the increased risk of tung 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:	INDICATE	WHICH ITEMS WER	E PERFORMED WITH PH	YSICIAN'S OR ASSISTANT	S INITIALS
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. A physical examination with emphasis upon the pulmonary, cardiovascular, and gastrointestinal systems. The pulmonary function tests of forced vital capacity (PVC) and forced expiratory volume at one second (FEV I) in accordance with NIOSH and ATS standards. Indicate whether or not the physician decided that an x-ray was required: yes or no, A cliest 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. The employee was informed by the physician of the results of the exam and of any medical conditions that may result from 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:	Moho.	directed to the pulmo		•	
The pulmonary function tests of forced vital capacity (FVC) and forced expiratory volume at one second (FEV 1) in accordance with NJOSH and ATS standards. Indicate whether or not the physician decided that an x-ray was required;	1/4 0	employee's duties as t exposure level, the p information from prev	hey relate to the employee's ersonal protective and respi	exposure, the employee's repre- ratory equipment to be utilized	sentative or anticipated I by the employee, and
Indicate whether or not the physician decided that an x-ray was required;	100	A physical examination	on with emphasis upon the p	ilmonary, cardiovascular, and g	astrointestinal systems.
an x-ray was performed:	Maffi		11200	-	y volume at one second
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: [Apple E. Morris An. (2014) 4429-	rantfil.	an x-ray was perform current film on file According to 29 CF	d:yes orno. A	A cliest roentgenogram, posterio dance with 29 CFR 1926.1101	or-anterior, 14" x 17" or . Appandix E <u>NOTE</u> :
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: [April 12] 4429-	Media	may result from asbe-	stos exposure including the ir		
- Pol (- D) Mark E. Maris An. (812)429.	employee	at an increased risk o	f material health impairme	nt from exposure to asbestos,	and no limitations are
Physician's Signature Print Physician's Name Telephone	Comments	or limitations, if any:	· · · · · · · · · · · · · · · · · · ·	A CONTRACTOR OF THE CONTRACTOR	
Physician's Signature Print Physician's Name Telephone		2.10	7 05 1	Mad E M.	la malia
	Physician's	Signature -	Print Physica	an's Name	11. 1. 8/11/429- Telephone
	Charle A de		Mir Rd Fort		01-



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. ACD

Commissioner of Health

Control No. 51361

ENVIRONMENTAL TRAINING INSTITUTE OF

Steven E. Robb CERTIFICATE OF ACHIEVEMENT AWARDED TO

CONIPLETION OF AN EPA APPROVED AHERA COURSE IN COMPLIANCE WITH REQUISITE TRAINING OF TSCA TITLE II AND IN RECOGNITION OF THE SUCCESSFUL AND PASSED AN EXAMINATION IN:

Twenty Four (24) Hour Course Asbestos Abatement Inspector Training Course

Course Date (s) February 14, 2000

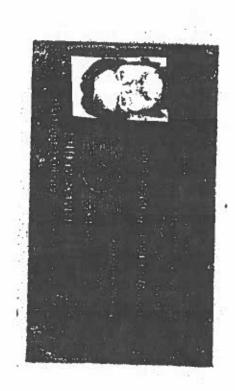
February 16, 2000

Exam Date February 15, 2001 Certificate No. 13, 394-54-5250

Ablene, Texas 79608 No. (915) 691-0172

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

APPLICANT'S NAME: ROBB	STEUEN E.
Last	First M.I.
ADDRESS: 2210 INDEPENDENCE O	BICCOL TX 99601 State Zip
SOCIAL SECURITY #: 384-58-5250	TELEPHONE (915) 6765710
The above-named individual was seen on	, in accordance with:
(1) 29 CFR 1926.1101 OR (2)	40 CFR 763.121
INDICATE WHICH ITEMS WERE PERFORMED WITH PI	IYSICIAN'S OR ASSISTANT'S INITIALS:
Completion and review of the standardized medical directed to the pulmonary, cardiovascular, and g in 1926.1101.	al questionsnire and work history with special emphasis astrointestinal systems per part 1 and 2 of Appendix D
employee's duties as they relate to the employee's exposure level, the personal protective and resp	ew was made of, the employer's description of this exposure, the employee's representative or enticipated irasory equipment to be utilized by the employee, and of the affected employee that is not otherwise available
A physical examination with emphasis upon the pr	ulmonery, cardiovancular, and gastrointestinal systems.
The pulmonary function tests of forced vital capaci (FEV 1) in accordance with NIOSH and ATS sta	ity (FVC) and forced expiratory volume at one second neards.
an x-ray was performd:	an x-ray was required: yes or no, and if A chest roentgenogram, posterior-enterior, 14" x 17" or tance with 29 CFR 1926.1101, Appendix E. NOTE: the requirement for a chest x-ray is at the physician's
The employee was informed by the physician of the may result from asbestos exposure including the in effect of smoking and asbestos exposure.	ne results of the exam and of any medical conditions that acreased risk of hing cancer attributable to the combined
Unless otherwise noted below, this evaluation indicates that no employee at an increased risk of material health impairment recommended on the employee concerning the use of personal	nt from exposure to asbestos, and no limitations are
Comments or limitations, if any:	
502	•
Physician's Signature Print Physician	
	11.
Street Address City	A+ 11-9 1- 1- 1601D Sinste Zip



ŧ

0

GEBCO ASSOCIATES

in cooperation with

THE UNIVERSITY OF NORTH TEXAS
certifies that

Tom M. Gill

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,

Certificate Number 99153 Date of Issue: 08/04/99

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

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

APPLICAN	NTS NAME:	$G_{i}(l)$		7	<u> </u>		Ms
		Last			First		M.I.
ADDRESS	Street	take have	OF D	rentor	State	76%	Zip
SOCIAL SI	ECURITY #:4	53197	707	TELEPH	IONE #: _940	230,	5311
The above-	named jadividua	al was seen on	4-17	\sim	, in accor		
(1)	29 CFI	R 1926,1101	OR (2)		40 CFR 763.12		
INDICATE	WHICH ITEM	S WERE PERFOR	MED WITH PH	IYSICIAN'S	OR ASSISTANT	'S INITIALS:	
d I		nd review of the stan					
1	directed to the in 1926.1101.	pulmonary, cardio	vascular, and ga	strointestinal	systems per part	I and 2 of Ap	pendix D
1	employee's du exposure leve	the employer pro- ties as they relate to il, the personal pro- om previous medica	the employee's ective and respi	exposure, the ratory equipr	employee's repre	esentative or a	nticipated ovee, and
(A)		mination with empt	nasis upon the pu	ilmonary, car	diovascular, and g	gastrointestina	systems.
11	The pulmonary	y function tests of fo cordance with NIOS	orced vital capaci SH and ATS star	ity (FVC) and ndards.	l forced expirator	y volume at or	ne second
<i>f</i> √	an x-ray was p	er or not the physic erformd: Ves n file with interpre 29 CFR 1926.1101	s or no. A tation in accord	chest roentgolance with 29	enogram, posterio CFR 1926.1101	or-anterior, 14 , Appendix E	" x 17" or . NOTE:
AJ	may result from	was informed by the n asbestos exposure ing and asbestos ex	including the in-	e results of the creased risk o	e exam and of any f lung cancer attri	medical condibutable to the	itions that combined
employee a recommende	t an increased ed on the emplo	w, this evaluation in risk of material he yee concerning the	alth impairmen	t from expos	ure to asbestos,	and no limita	place the
Comments o	r limitations, if a	ny: / www	<i>L'</i>				
#	1		-1				
Inysiciari's	Signature	٠. و×	Print Physicia	MED AL	ERT INDUST	214)630 TRIAL	elephone
Street Addre	ess		City	3141 IRV	ING BLVD.		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

sustended or revoked and is renewed Ervil Statutes, Article 4477-3a, by the Frank Board of Health. according to the rules addoted as amended, so long as this Eigende it in the State of Texas within the

Jun 7 Wmr

Todd F. Wingler, P.E.

License Number

30-0235

0907/11/60

Issue Date

Chief, Asbestos Programs Branch Occupational Safety and Health Division Wellen & Che

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

This certificate is void after expiration date.

Expiration Date

1002/91/60

VOID IF ALTERED NON-TRANSFERABLE 53576

. . . .

United States Department of Commerce
National Institute of Standards and Technology

ISO/IEC GUIDE 25:1990 ISO 9002:1987

Certificate of Accreditation



CRISP ANALYTICAL LABORATORY

CARROLLTON, TX

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: 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

BULK ASBESTOS FIBER ANALYSIS

September 30, 2001

Effective through

Paris F. Adomen

For the National Institute of Standards and Technology

NVLAP Lab Code: 200349-0

TEXAS

DEPARTMENT OF HEALTH

BE IT KNOWN THAT

QUEST MICRO ANALYTICS

is Licensed and authorized to perform as an

Asbestos Laboratory

PLM, TEM

ended_or revoked and is renewed as-Civil Statutes, Article 4477-3a, Jat 18mg Texas Board of Health. according to the rules add as amended, so long as this Tacer in the State of Texas within the

30-0218

License Number

08/05/1999 Issue Date 08/04/2000

Expiration Date

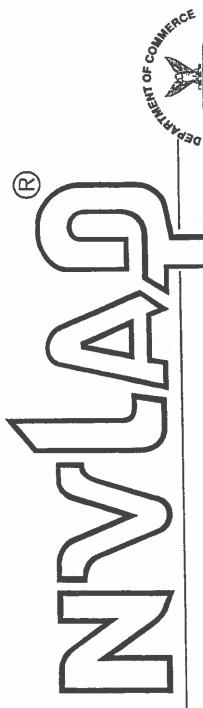
This certificate is void after expiration date.

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

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



ISO/IEC GUIDE 25:1990 ISO 9002:1987

Certificate of Accreditation

QUEST MICROANALYTICS
DALLAS, TX

criteria established in Title 15, Part 285 Code of Federal Regulations. These criteria encompass the requirements is recognized under the National Voluntary Laboratory Accreditation Program for satisfactory compliance with 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

Service line of the service of the s

For the National Institute of Standards and Technology

NVLAP Lab Code: 200249-0

APPENDICES

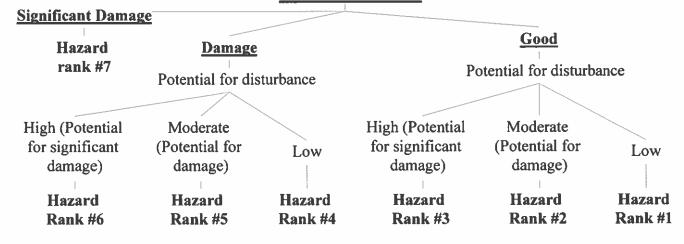
RESPONSE ACTIONS BASED ON HAZARD RANKING

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)

ACBM Condition



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	Таре	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	ТО
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:
Name of Inspector (Printed): Steven E. Robb Inspector's Signature: Robb
Name of Inspector (Printed): Tom Gill Inspector's Signature:
Name of Inspector (Printed): 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: 200035007 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.

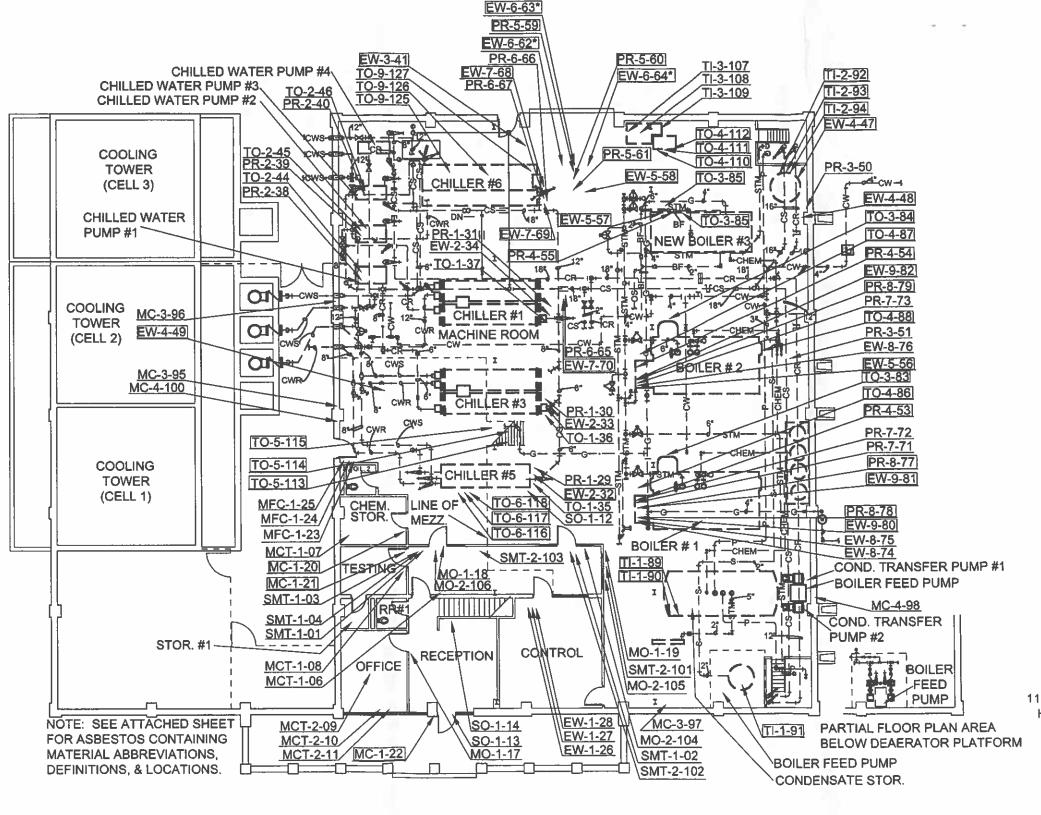
Following this instruction page you will find a written summary which describes and interprets the detailed information found in the rest of the report. It begins with a brief description of the building's construction and a history of any major structural changes in the site (PAST SITE HISTORY / CONSTRUCTION). 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.

Consultants-Specializing in: ASBESTOS, LEAD and INDOOR AIR QUALITY



CENTRAL PLANT - FIRST FLOOR PLAN

LEGEND

— BF —

--- CHEM --

--- C/HR ----

--- C/HS ----

---- CR----

---cw---

---- CWR-

— cws -

— D —

----G---

---os----

---- OR----

— Р —

---s·---

--- \$TM--

BOILER FEED

CHILLED/HOT

CHILLED/HOT

COLD WATER

COLD WATER

CHILLED WATER

CONDENSING WATER RETURN

CONDENSING WATER SUPPLY

HOT SUPPLY

HOT RETURN

OIL SUPPLY

OIL RETURN

PRESSURE RELIEF LINE

SOFTENED

STEAM

COLD WATER

RETURN

SUPPLY

DRAIN

GAS

WATER RETURN

WATER SUPPLY

CHEMICAL

BF

CHEM

CHR

CHS

CR

CS

CW

CWR

CWS

D

G

HS

HR

OS

OR

Ρ

S

STM

CENTRAL PLANT
MIDWESTERN STATE UNIVERSITY

ESESIS 11022 FM 3326 SOUTH

HAWLEY, TX 79525 (915)793-7255 tel. (915)695-8455 fax

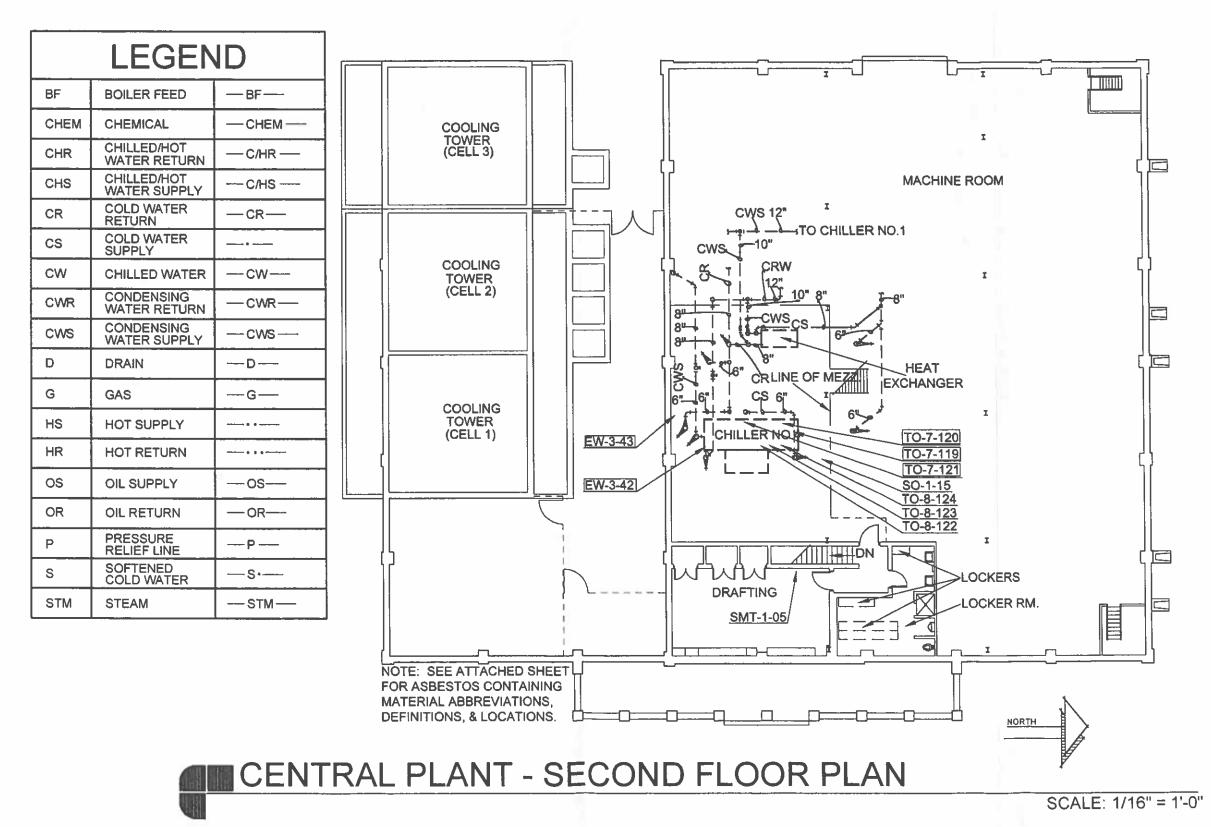
DATE 4-7-2000
REVISIONS
NO DESCRIPTION SHIT

SCALE: 1/16" = 1'-0"

00251

D2000 HARPER PERSONANCHTECT

CNTRL, PLNT.



CHARLES F. HARPER 8273
EPPRES: 31 JULY 2001

RECURIO M. STRUCTION

RECURIO M. STRUCTION

RALPH & PERRONS 86871
EPPRES: 31 JULY 2001

OATE SICHED

HARPER PERSONS ARCHITECTS, INC.
4724 GLO JACKSSORO HIGHWAY
WICHTA FALLE, TEXAS 75308-3390
VOICE WITH 16 JULY 2001

VOICE WITH 16 JULY 2001

AND 18 JULY 20

CENTRAL PLANT MIDWESTERN STATE UNIVERSITY

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

_		
DRAW	NBY W Perferre	
DATE	4-7-2000	
REVIS	ICNS	
HO.	DESCRIPTION	0
\neg		Т
		Т
		Т
		Т
_		1
	00251	

CNTRL. PLNT. 201