

### ASBESTOS SURVEY REPORT

NATIONAL GUARD ARMORY 200 NE 23<sup>RD</sup> STREET BUILDING 1

OKLAHOMA CITY, OKLAHOMA

Enercon Project Number – ENMISC2254

August 8, 2011 (Revised November 15, 2012)

### Prepared for:

Oklahoma Department of Environmental Quality
Land Protection Division
PO Box 1677
Oklahoma City, Oklahoma 73101-1677
Attention: Mr. Dustin Davidson

### **Prepared By:**

Enercon Services, Inc. 6525 North Meridian, Suite 400 Oklahoma City, Oklahoma 73116

**Inspected By:** 

Marshall L. Branscum

AHERA Asbestos Inspector OK-159162

**Reviewed By:** 

Emmett W. Muenker

AHERA Asbestos Management Planner OK-MP130435

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## ASBESTOS SURVEY REPORT NATIONAL GUARD ARMORY

200 NE 23<sup>RD</sup> STREET – BUILDING 1 OKLAHOMA CITY, OKLAHOMA

### **Executive Summary**

An asbestos survey of the National Guard Armory, 200 NE 23<sup>rd</sup> Street, Building 1, Oklahoma City, Oklahoma was conducted during March through June 2011. The armory complex consisted of five buildings, each of which is being addressed in a separate report. This report is for Building 1 only. Building 1 was a three-story structure constructed in 1939, with offices and other functional spaces surrounding the drill floor on the first floor, with offices on two sides of the building on the second and third floors. During the survey, a total of 75 bulk samples were collected from 35 homogeneous areas. A summary of the asbestos-containing building materials (ACBMs) is provided below.

### **Summary of Asbestos-Containing Building Materials**

MATERIAL CATEGORY	MATERIAL DESCRIPTION	TOTAL APPROXIMATE AMOUNT
FRIABLE	Heating Water Storage Tank Insulation	521 SF
TRIABLE	Heating Water Piping Insulation	5,400 LF
CATEGORY I	Floor Tiles and Black Mastic	6,580 SF
NON-FRIABLE	Black Mastic Beneath Non-ACM Floor Tiles	2,450 SF
NON-FRIABLE	Floor Tiles and Non-ACM Mastic	350 SF
CATEGORY II	None	None
NON-FRIABLE	None	None

SF=Square Feet; LF=Linear Feet; EA=Each

### Recommended actions for planned renovation:

Determine scope of abatement for friable ACBM; prepare project design/specifications for abatement of friable ACBM; prepare specifications for abatement of non-friable ACBM that would be disturbed during renovation activities; solicit bids; award contract and complete abatement.

### Recommended actions prior to planned demolition:

Prepare specifications for abatement of all friable asbestos materials; solicit bids; award contract and complete abatement.

Recommended actions for continued operation without removal of all asbestos in the building:

Prepare and implement an Asbestos Management Plan to manage the asbestos in place. This is to include Asbestos Awareness Training for maintenance and custodial personnel.

### ASBESTOS SURVEY REPORT NATIONAL GUARD ARMORY

200 NE 23<sup>RD</sup> STREET - BUILDING 1 OKLAHOMA CITY, OKLAHOMA

### 1.0 INTRODUCTION

An asbestos survey of the National Guard Armory, 200 NE 23<sup>rd</sup> Street, Building 1, Oklahoma City, Oklahoma was conducted during March 15 through June 2011. The armory complex consisted of five buildings, each of which is being addressed in a separate report. This report is for Building 1 only. Building 1 was a three-story structure constructed in 1939, with offices and other functional spaces surrounding the drill floor on the first floor, with offices on two sides of the building on the second and third floors. During the survey, a total of 75 bulk samples were collected from 35 homogeneous areas. The inspection was performed by Scott Vincent, AHERA Management Planner OK-MP139674, Marshall Branscum, AHERA Inspector OK-159162 and Richard Belcher, AHERA Inspector OK-159310. Appendix A contains copies of their licenses.

The purpose of the asbestos survey was to locate, identify, and quantify asbestos containing building materials (ACBMs) present in the building. The asbestos survey was requested by the Oklahoma Department of Environmental Quality.

### 2.0 SURVEY PROCEDURES

The survey consisted of visual examination of building components and insulating materials to identify those suspected to contain asbestos. Asbestos-containing materials are divided into three basic groups: Thermal System Insulation (TSI), Surfacing Materials (SM) and Miscellaneous Materials (MM). TSI consists of insulating materials, mastics or sealants used to reduce heat loss or gain on mechanical systems such as piping, ducts, air handlers, boilers, flues, heat exchangers, etc. SM includes materials applied to surfaces other than mechanical systems for purposes such as fireproofing, acoustical insulation and aesthetic finishes. MM are all other materials not included in the other two categories, and include materials such as floor tiles, adhesives, gaskets, caulking compounds and asbestos-cement piping/panels (Transite®).

Non-friable ACBM is categorized as either Category I or Category II non-friable material. Category I non-friable ACBM includes packings, gaskets, resilient floor coverings, and asphalt roofing products. Category II non-friable ACBM includes any other non-friable material.

The protocols outlined in the Asbestos Hazard Emergency Response Act (AHERA) were used for this survey, except that some confirmation samples were collected from otherwise non-suspect materials. The survey included all building materials that were suspected to contain asbestos, with the exception of the roofing components. Samples were analyzed by QuanTEM Laboratories, an analytical laboratory accredited under the National Voluntary Laboratory Accreditation Program (NVLAP). The analytical method used was Polarized Light Microscopy (PLM) with dispersion staining, as prescribed by the AHERA regulation. It is a method for positive identification of asbestos fibers. Materials determined to contain more than one percent asbestos by laboratory analysis are considered asbestos-containing materials.

SW 44th National Guard Armory

The numbering system used for sample identification consisted of three separate components, a facility identifier, a homogeneous area (materials appearing alike in their color, texture and function) number and a sample number.

The rooms in the building were not all identified with room numbers, therefore an arbitrary number was assigned to each room for referencing the locations of samples and asbestoscontaining materials identified during the survey. These arbitrary room numbers are used throughout this report and the room locations are shown on the building layouts in Appendix B.

### 3.0 **SURVEY RESULTS**

A total of 75 bulk samples were collected from 35 areas of homogeneous materials during the survey. Appendix B contains site layouts with sample and asbestos locations. Appendix C contains the laboratory reports of analyses/chains of custody.

A summary of asbestos containing building materials, including categorization and quantities, is presented in Table 1. Table 2 provides a summary of the bulk material samples collected, the general location of the materials sampled, the approximate quantity of asbestos-containing materials present in each homogeneous area and the laboratory analytical results.

> Table 1 **Summary of Asbestos Containing Building Materials**

MATERIAL CATEGORY	MATERIAL DESCRIPTION	TOTAL APPROXIMATE AMOUNT
FRIABLE	Heating Water Storage Tank Insulation Heating Water Piping Insulation	521 SF 5,400 LF
CATEGORY I NON-FRIABLE	Floor Tiles and Black Mastic Black Mastic Beneath Non-ACM Floor Tiles Floor Tiles and Non-ACM Mastic	6,580 SF 2,450 SF 350 SF
CATEGORY II NON-FRIABLE	None	None

SF=Square Feet; LF=Linear Feet



Table 2 **Bulk Material Samples & Laboratory Analytical Results** 

SAMPLE ID	DESCRIPTION & LOCATION	APPROX. AMOUNT	ASBESTOS TYPE/ PERCENT
23B1-01-01,02	Window Glazing	NQ	None Detected
23B1-02-01,02	2' x 4' White Ceiling Tiles	NQ	None Detected
23B1-03-01,02	White Gypsum Board	NQ	None Detected
23B1-04-01	12" x 12" White Floor Tiles/Black Mastic, Room 14 (5-7,11,12,20A) <sup>1</sup>	1,090 SF	5% Chrysotile
23B1-04-02,03	12" x 12" White Floor Tiles/Yellow Mastic	-	None Detected
23B1-05-01,02	Drywall Joint Compound	NQ	None Detected
23B1-06-01,02	12" x 12" White Ceiling Tiles	NQ	None Detected
23B1-07-01	Heating Water Tank Insulation, Room 9 (25, 33D, 36-37) <sup>1</sup>	521 SF	40% Chrysotile
23B1-08-01	Heating Water Piping Insulation, First & Second Floors <sup>2</sup>	5,490 LF	40% Chrysotile 5% Amosite
23B1-09-01	Heating Water Fitting Insulation, First & Second Floors <sup>2</sup>	$NQ^3$	45% Chrysotile
23B1-10-01, <b>02</b> 23B1-10-03, <b>04</b>	12" x 12" Brown Floor Tiles/Yellow/ <b>Black Mastic, Room 8 (27)</b> <sup>1</sup> 12" x 12" Brown Floor Tiles/Yellow/ <b>Black Mastic, Room 15 (17,34A-B)</b> <sup>1</sup>	1,360 SF	2-5% Chrysotile
23B1-11-01,02,03	Tan Wall Texture	NO	None Detected
23B1-12-01,02,03	Boiler Flue Insulation	NQ	None Detected
23B1-13-01,021	2' x 2' White Ceiling Tiles	NQ	None Detected
23B1-14-01,02,03	White Orange Peel Wall Texture	NO	None Detected
23B1-15-01,02	Brown Knock Down Wall Texture	NQ	None Detected
23B1-16-01,02	Tan Wall Texture	NQ	None Detected
23B1-17-01,02,03	White Wall Texture	NQ	None Detected
23B1-18-01,02	9" x 9" White Ceiling Tiles	NQ	None Detected
23B1-19-01,02,03	White Wall Texture	NQ	None Detected
23B1-20-01,02,03	White Wall Texture	NQ	None Detected
23B1-21-01,02,03	White Ceiling Texture	NQ	None Detected
23B1-22-01,02	9" x 9" White Floor Tiles /Black Mastic, Rooms 94A, 95 (94,117,118)	760 SF	4% Chrysotile
23B1-23-01,02	9" x 9" Blue Floor Tiles/Black Mastic, Rooms 94A,95 (94,117,118) <sup>1</sup>	760 SF	3-5% Chrysotile
23B1-24-01,02	9" x 9" Brown Floor Tiles/Black Mastic, Rooms 94A,95 (94,117,118) <sup>1</sup>	760 SF	4-6% Chrysotile
23B1-25-01	White Wall Texture	NQ	None Detected
23B1-26-01,02,03	12" x 12" Gray Floor Tiles/Yellow & Red Mastic	NQ	None Detected
23B1-27-01,02	9" x 9" Green Floor Tiles/Yellow & Red Mastic, Room 36B	350 SF	3% Chrysotile
23B1-28-01,02	9" x 9" Gray Floor Tiles/Black Mastic, Rooms 88,89 (90, 90A,109) <sup>1</sup>	2,780 SF	6-10% Chrysotile
23B1-29-01,02	Thin Gray Floor Tiles/Yellow Mastic	NQ	None Detected
23B1-30-01,02	9" x 9" Brown Floor Tiles/Black Mastic, Room 52,54A	300 SF	3-7% Chrysotile
23B1-31-01,02	Yellow Carpet Adhesive	NQ	None Detected
23B1-32-01,02	9" x 9" Dark Green Floor Tiles/Yellow & Black Mastic, Rooms 110,121 (111-113,115,122) <sup>1</sup>	1,220 SF	5-7% Chrysotile
23B1-33-01,02	12" x 12" Yellow & White Floor Tiles/Yellow Mastic	NQ	None Detected

SF=Square Feet; LF=Linear Feet; EA = Each; NQ=Not Quantified Table Notes:

- Room numbers in parentheses contain materials that are homogeneous to those in rooms where the materials were sampled.
- Sample locations of line and fitting insulation not shown; material was PACM with one fitting sample and one line sample collected for determination of asbestos content.
- Quantity of fittings included in linear footage of piping.
- Included in quantity of 9" x 9" floor tiles since mixed with ACM tiles and cannot be removed separately.



### 4.0 **CONCLUSIONS & RECOMMENDATIONS**

The asbestos-containing building materials present consisted of both friable and non-friable materials. The locations of these materials are shown on the layouts in Appendix B.

### Friable Asbestos-containing Materials:

- Heating Water Fitting and Line Insulation: Approximately 5,490 linear feet in good to poor condition was present on the first and second floors and in pipe tunnels. Of this, approximately 2,400 linear feet was located on the first floor and 90 linear feet located on the second floor. No insulated piping was found to be present on the third floor. The locations are shown on Figures 1 and 2 in Appendix B.
- Heating Water Storage Tank Insulation: Approximately 521 SF of insulation in good condition was present on four heating water storage/surge tanks located on the first floor. The locations are shown on Figure 1 in Appendix B.

### Non-friable Asbestos-containing Materials:

- Floor Tiles and Mastic: Approximately 6,580 SF of asbestos-containing floor tiles of varied colors with black mastic was present in rooms located on the second and third floors of the building. The locations of these rooms are shown on Figures 4 and 5 in Appendix B.
- Black Mastic Only Beneath Non-ACM Floor Tiles: Approximately 2,450 SF of asbestos-containing black mastic was present beneath various colors of non-asbestos floor tiles in various rooms on the first floor of the building. The locations of these rooms are shown on Figure 3 in Appendix B.
- Floor Tiles Only: Room 36B contained approximately 350 SF of ACM floor tiles with non-ACM mastic. The location of this room is shown on Figure 3 in Appendix B.

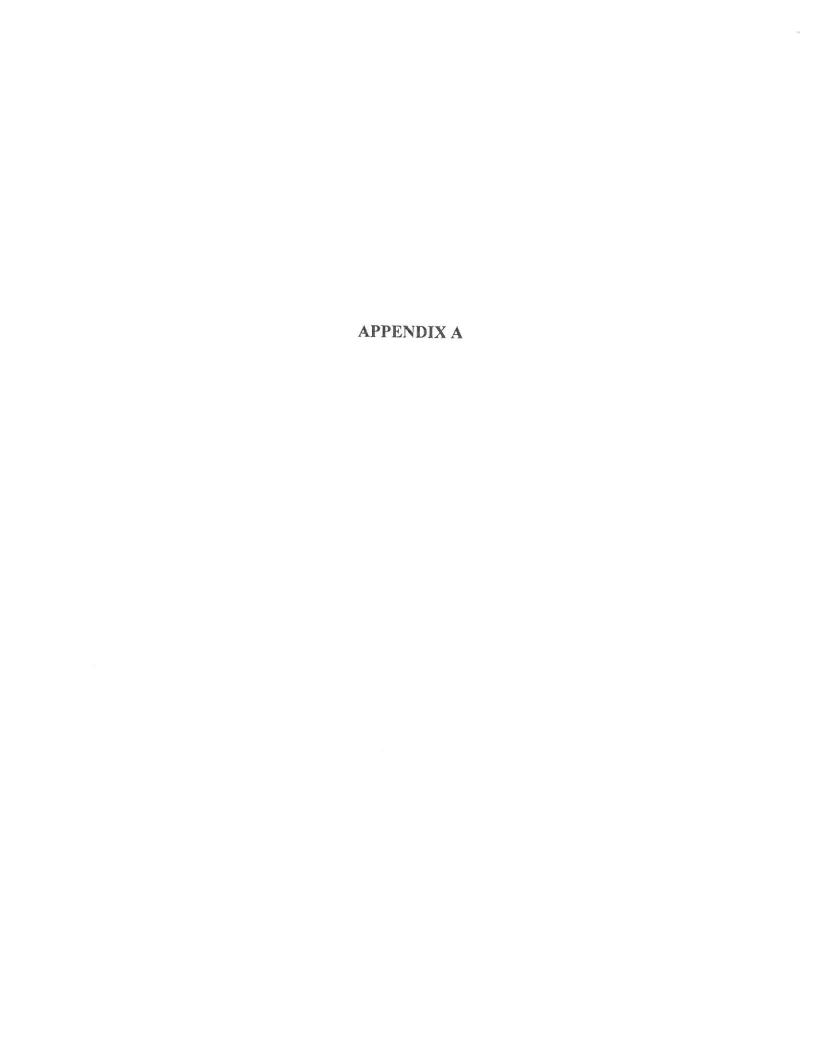
Recommendations for Friable Asbestos-containing Materials: The following recommendations are made for addressing friable materials. Disturbance of these materials is regulated by the Oklahoma Department of Labor.

- 1. Planned renovation and maintenance activities that could disturb friable asbestos: Determine scope of piping and heating water storage tanks to be abated versus that to manage in place; prepare project design/abatement specifications for friable asbestos that would be disturbed during renovation activities; solicit bids; award contract and complete abatement.
- Prepare specifications for abatement of all friable asbestos 2. Planned demolition: materials; solicit bids; award contract and complete abatement.
- 3. Continued operation without abatement of all friable asbestos: Prepare and implement an Asbestos Management Plan to manage the remaining asbestos in place. This is to include Asbestos Awareness Training for maintenance and custodial personnel.

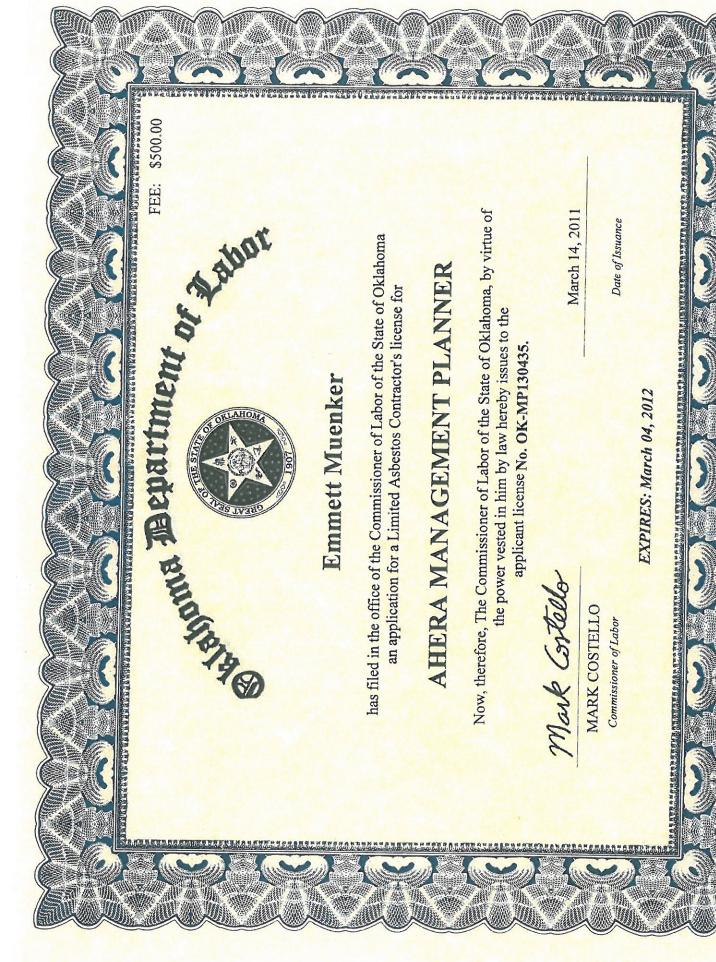


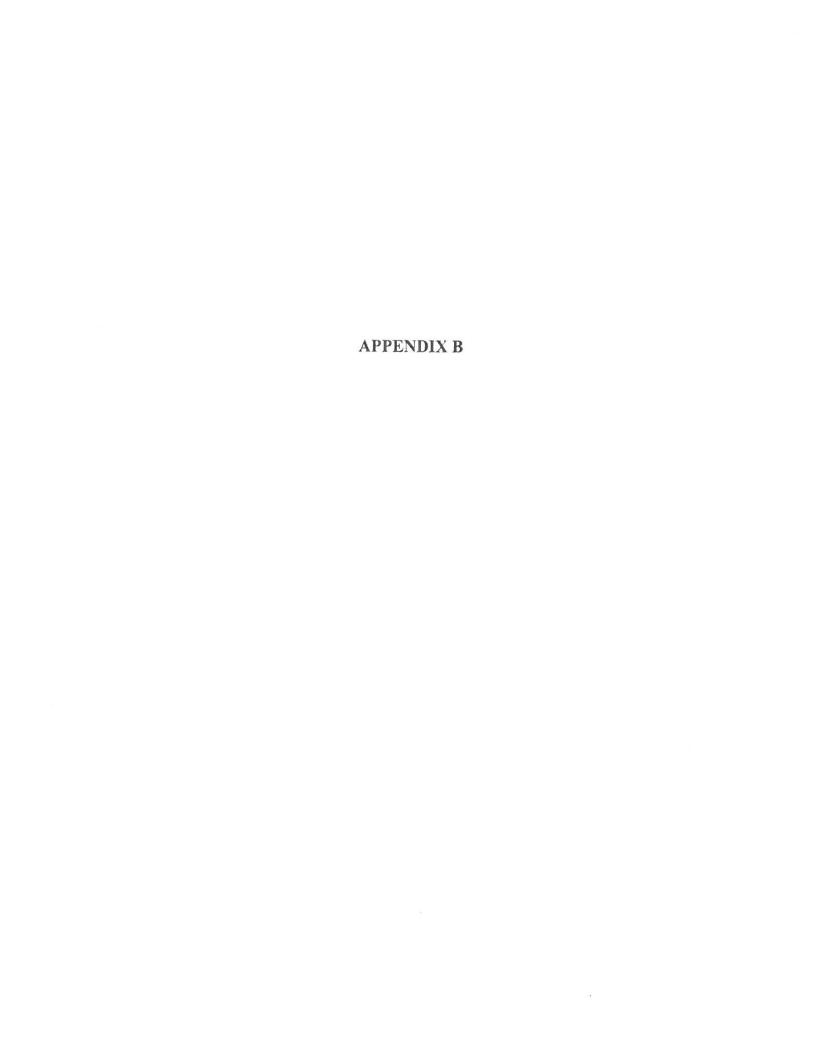
Recommendations for Non-friable Asbestos-containing Materials: The only non-friable asbestos present were floor tiles and black mastic and black mastic located beneath non-asbestos floor tiles. Some of these materials were located beneath carpeting. These materials containing asbestos are not regulated unless they are disturbed in a manner that renders them friable; however, removal must be done by workers who are properly trained to remove them. The following actions are recommended for addressing non-friable materials:

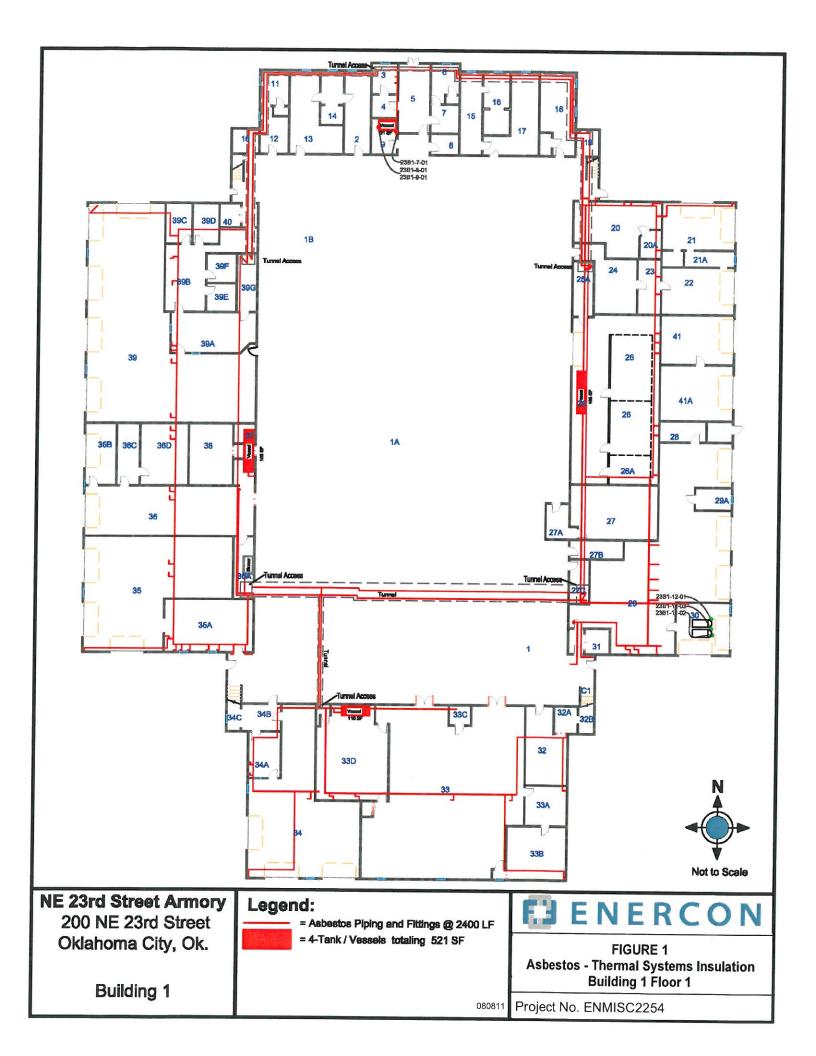
- 1. <u>Planned renovation</u>: Prepare specifications for abatement of non-friable asbestos materials that would be disturbed during renovation activities; solicit bids; award contract and complete abatement.
- 2. <u>Planned demolition</u>: Non-friable materials present may remain in place during demolition activities and may be disposed as ordinary demolition/construction waste.
- 3. <u>Continued operation without abatement of non-friable asbestos</u>: Prepare and implement an Asbestos Management Plan to manage the remaining asbestos in place. This is to include Asbestos Awareness Training for maintenance and custodial personnel.

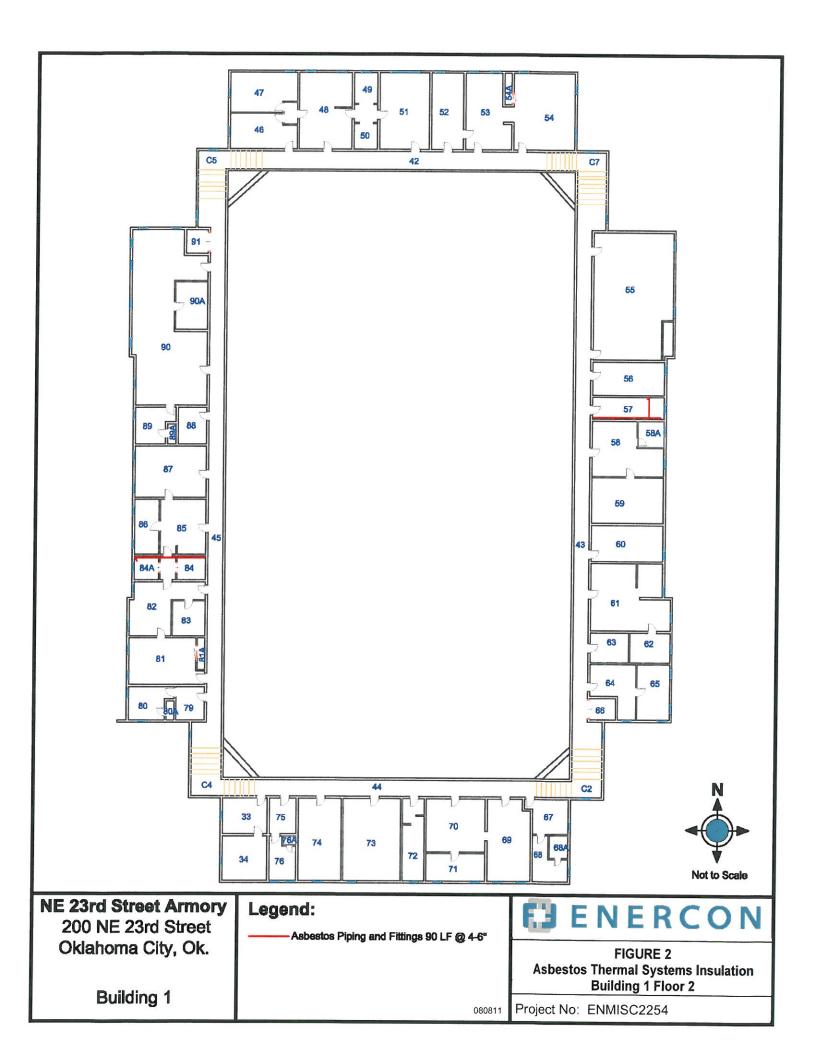


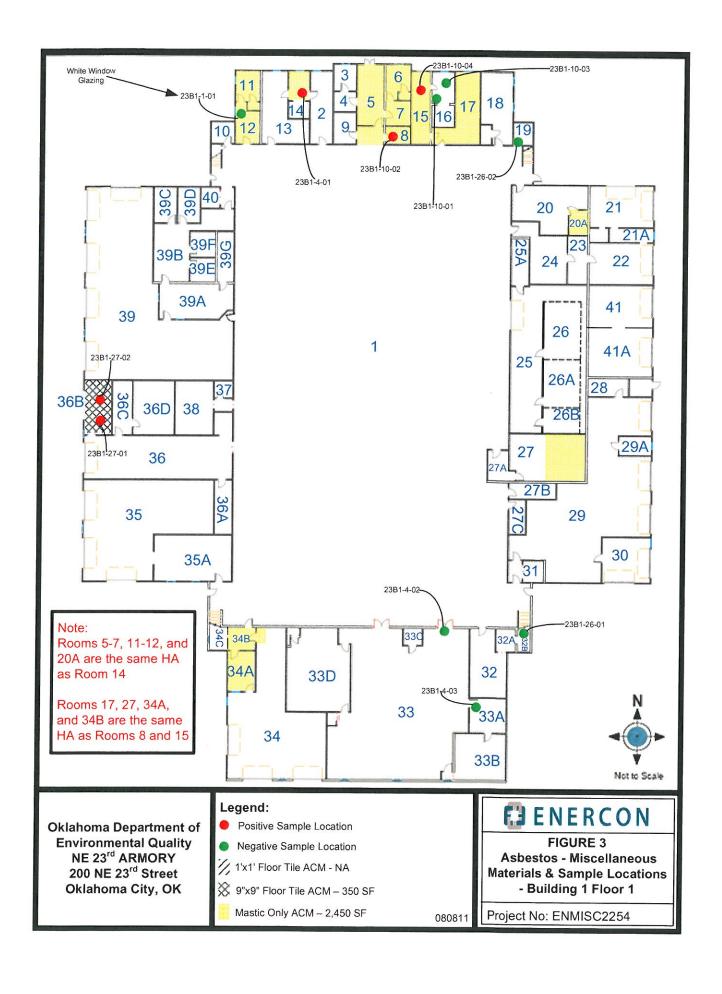


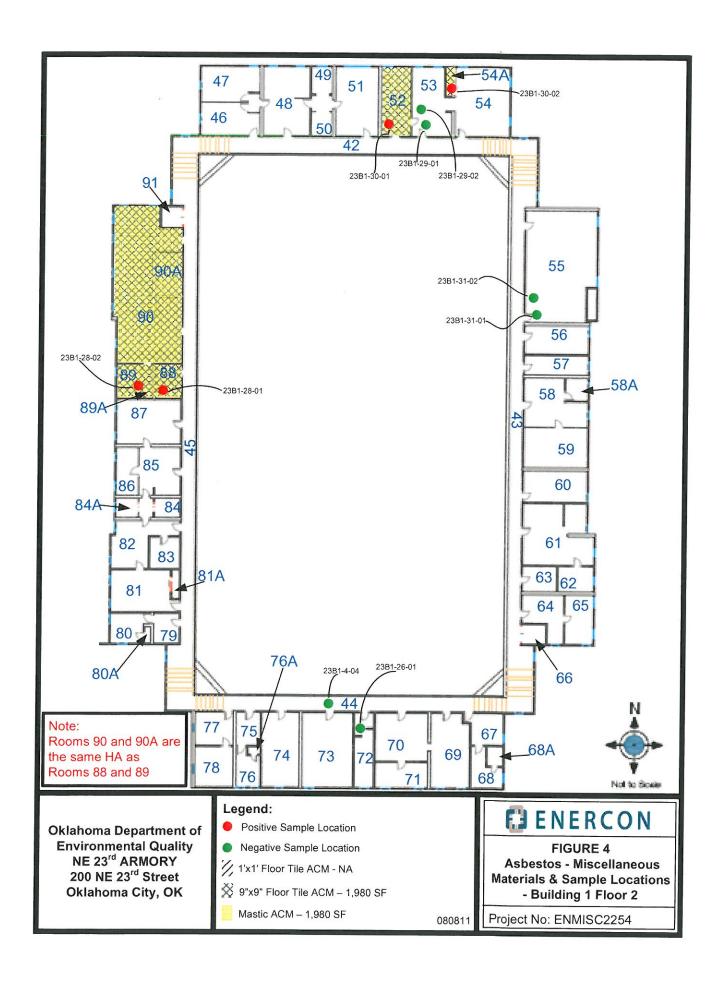


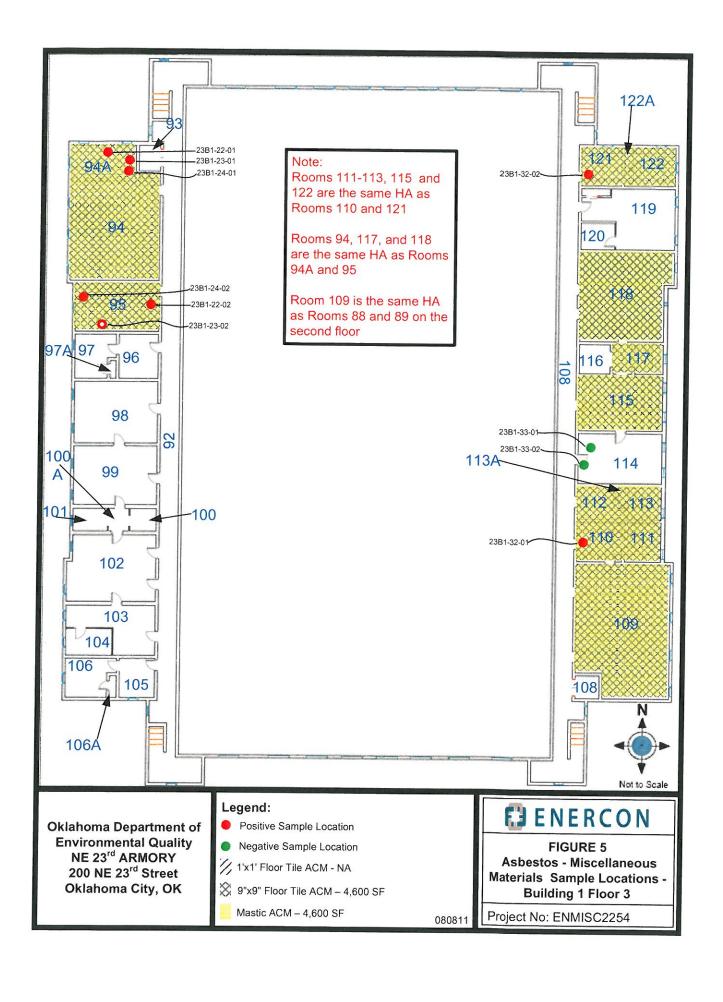


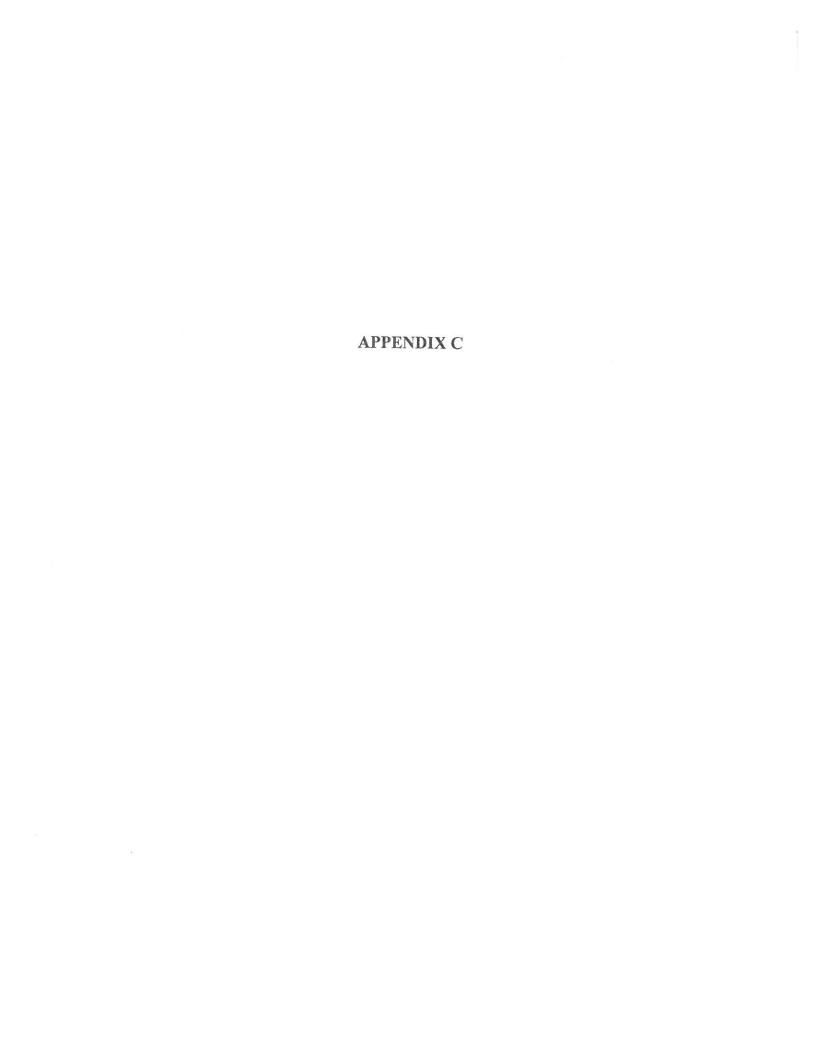














# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 192866

Account Number:

A845

Date Received:

03/14/2011

Received By:

Barbara Holder

Date Analyzed: Analyzed By:

03/15/2011

Stacey Holder

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

23rd National Guard Armory

Project Location:

200 NW 23rd Street

Methodology	EPA/600/R-93/116		Tiojectia		Project Location: Project Number:			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbesto Fiber (%)	S	Non Fibrous	
001	23B1-01-01	Homogeneous	White Window Glazing	Asbestos Not Preso	ent Cellulose	<1	CaCO3	
002	23B1-01-02	Homogeneous	White Window Glazing	Asbestos Not Prese	ent Cellulose	<1	CaCO3	
003	23B1-02-01	Homogeneous	White Ceiling Tile	Asbestos Not Prese	nt Cellulose Glass Fiber	25 30	Perlite Binder	
004	23B1-02-02	Homogeneous	White Ceiling Tile	Asbestos Not Prese	nt Cellulose Glass Fiber	25 25	Perlite Binder	
005	23B1-03-01	Homogeneous	White Sheetrock	Asbestos Not Preser	nt Cellulose	40	Gypsum	
006	23B1-03-02	Homogeneous	White Sheetrock	Asbestos Not Presen	t Cellulose	35	Gypsum	
007	23BI-04-01	Layered	Beige Floor Tile	Asbestos Not Presen	f Cellulose	<1	Vinyl CaCO3	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



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QuanTEM Lab No. 192866 Client: Account Number: A845

Enercon Services, Inc. 6525 N. Meridian, Suite 400 Oklahoma City, OK 73116 03/14/2011

Received By: Barbara Holder Date Analyzed: 03/15/2011 Project:

Date Received:

23rd National Guard Armory Analyzed By: Stacey Holder Project Location: 200 NW 23rd Street

Methodology:	1 Toject Boutton						
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous	
007a		Layered	Black Mastic	Asbestos Present Chrysotile 5	NA	Tar	
008	23B1-05-01	Homogeneous	White Joint Compound	Asbestos Not Present	Cellulose	<1 CaCO3	
009	23B1-05-02	Homogeneous	White Joint Compound	Asbestos Not Present	Cellulose	2 CaCO3	
010	23B1-06-01	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 3 Glass Fiber 1	0 Binder	
011	23B1-06-02	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 2 Glass Fiber 1		
012	23B1-07-01	Homogeneous	White Insulation	Asbestos Present Chrysotile 40	Cellulose <	l Inert Binder	

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Analyzed By: Methodology: Stacey Holder

EPA/600/R-93/116

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Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

23rd National Guard Armory

Project Location:

200 NW 23rd Street

Project Number:

ENMISC 2254

				riojectitalicei, I	DIVINGC 2254			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
013	23B1-08-01	Homogeneous	White Insulation	Asbestos Present Chrysotile Amosite	40 5	NA		Inert Binder
014	23B1-09-01	Homogeneous	White Insulation	Asbestos Present Chrysotile	45	NA	A	Inert Binder
015	23B1-10-01	Layered	Brown Floor Tile	Asbestos Not Present		Cellulose	<1	Vinyl CaCO3
015a		Layered	Yellow Mastic	Asbestos Not Present		Cellulose	<1	Glue
016	23B1-10-02	Layered	Brown Floor Tile	Asbestos Not Present		Cellulose	<1	Vinyl CaCO3
016a	i i	Layered	Black Mastic	Asbestos Present Chrysotile	5	Cellulose	<1	Tar

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## Polarized Light Microscopy Asbestos Analysis Report

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Methodology:

Stacey Holder

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

23rd National Guard Armory

Project Location:

200 NW 23rd Street

Project Number:

ENMISC 2254

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrou		
017	23B1-11-01	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3		
018	23B1-11-02	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3		
019	23B1-11-03	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3		
020	23B1-12-01	Homogeneous	White Insulation	Asbestos Not Present	Cellulose <1 Synthetic <1	Binder Inert		
021	23B1-12-02	Homogeneous	White Insulation	Asbestos Not Present	Cellulose <1 Synthetic <1	Binder Inert		
022	23B1-12-03	Homogeneous	White Insulation	Asbestos Not Present	Cellulose <1 Synthetic <1	Binder Inert		

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Project:

23rd National Guard Armory

Project Location:

200 NW 23rd Street

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ENMISC 2254

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	lil	Non Fibrous
023	23B1-13-01	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30	Perlite Binder
024	23B1-13-02	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	30 30	Perlite Binder
025	23B1-14-01	Homogeneous	White Texture	Asbestos Not Present	Cellulose	<1	CaCO3 Paint
026	23B1-14-02	Homogeneous	White Texture	Asbestos Not Present	Cellulose	<1	CaCO3 Paint
027	23B1-14-03	Homogeneous	White Texture	Asbestos Not Present	Cellulose	<1	CaCO3 Paint
028	23B1-15-01	Homogeneous	White Texture	Asbestos Not Present	Cellulose	<1	CaCO3 Paint

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Project Location: Project Number

200 NW 23rd Street ENMISC 2254

Methodology:	dology: EPA/600/R-93/116 Pro			Project Number: ENMISC 2254			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbesto Fiber (%)	3	Non Fibrous
029	23B1-15-02	Homogeneous	White Texture	Asbestos Not Prese	ent Cellulose	<1	CaCO3 Paint
030	23B1-15-03	Homogeneous	White Texture	Asbestos Not Prese	ent Cellulose	<1	CaCO3
031	23B1-16-01	Homogeneous	Gray Wallboard	Asbestos Not Prese	ent Cellulose	25	Binder
032	23B1-16-02	Homogeneous	Gray Wallboard	Asbestos Not Prese	nt Cellulose	25	CaCO3
033	23B1-17-01	Homogeneous	White Texture	Asbestos Not Prese	nt Cellulose	2	CaCO3
034	23B1-17-02	Homogeneous	White Texture	Asbestos Not Presen	nt Cellulose	2	CaCO3
035	23B1-17-03	Homogeneous	White Texture	Asbestos Not Preser	t Cellulose	<1	CaCO3

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Client:

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6525 N. Meridian, Suite 400

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Project:

23rd National Guard Armory

Project Location:

200 NW 23rd Street

Methodology:	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2							
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous	
036	23B1-18-01	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	25 30	Perlite Binder	
037	23B1-18-02	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose Glass Fiber	25 25	Perlite Binder	
038	23B1-19-01	Homogeneous	White Texture	Asbestos Not Present	Cellulose	2	CaCO3 Paint	
039	23B1-19-02	Homogeneous	White Texture	Asbestos Not Present	Cellulose	2	CaCO3 Paint	
040	23B1-19-03	Homogeneous	White Texture	Asbestos Not Present	Cellulose	2	CaCO3 Paint	
041	23B1-20-01	Homogeneous	White Texture	Asbestos Not Present	Cellulose	<1	CaCO3	

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Methodolo

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

23rd National Guard Armory

Project Location:

200 NW 23rd Street

Methodology:	EPA/600/R-93/116		A/600/R-93/116 Project Number: ENMISC 2254			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	23B1-20-02	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3
043	23B1-20-03	Homogeneous	White Texture	Asbestos Not Present	Cellulose <1	CaCO3
044	23B1-21-01	Homogeneous	White Ceiling Texture	Asbestos Not Present	Cellulose <1	CaCO3 Paint
045	23B1-21-02	Homogeneous	White Ceiling Texture	Asbestos Not Present	Cellulose 2	CaCO3 Paint
046	23B1-21-03	Homogeneous	White Ceiling Texture	Asbestos Not Present	Cellulose 2	CaCO3
047	23B1-22-01	Layered	White Floor Tile	Asbestos Not Present	Cellulose <1	Vinyl CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 192866

Account Number:

A845

Date Received:

03/14/2011

Received By:

Barbara Holder

Date Analyzed: Analyzed By:

03/15/2011

Stacey Holder

Methodology:

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

23rd National Guard Armory

Project Location:

200 NW 23rd Street

Duningt Manual

Methodology:	EPA/600	/R-93/116		Project Number:	ENMIS	C 2254		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	- Asbestos (%)		Non-Asbesto Fiber (%)	S	Non Fibrous
047a		Layered	Black Mastic	Asbestos Present Chrysotile	4	NA		Tar
048	23B1-22-02	Layered	White Floor Tile	Asbestos Not Presen	t	Cellulose	<1	CaCO3 Vinyl
048a		Layered	Black Mastic	Asbestos Present Chrysotile	4	NA		Tar
049	23B1-23-01	Layered	Blue Floor Tile	Asbestos Present Chrysotile	3	Cellulose	<1	Vinyl CaCO3
049a	s e	Layered	Black Mastic	Asbestos Present Chrysotile	5	NA		Tar
050	23B1-23-02	Layered	Blue Floor Tile	Asbestos Present Chrysotile	4	Cellulose	<1	Vinyl CaCO3
050a	٠	Layered	Black Mastic	Asbestos Present Chrysotile	5	NA		Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 192866 Client: Enercon Services, Inc. Account Number: A845 6525 N. Meridian, Suite 400 Oklahoma City, OK 73116 Date Received: 03/14/2011 Received By: Barbara Holder Date Analyzed: 03/15/2011 Project: 23rd National Guard Armory Analyzed By: Stacey Holder Project Location: 200 NW 23rd Street Methodology: EPA/600/R-93/116 Project Number: ENMISC 2254 QuanTEM Client Color / Non-Asbestos Non Fibrous Sample ID Sample ID Composition Description Asbestos (%) Fiber (%) 051 23B1-24-01 Layered Brown Asbestos Present NA Vinyl Floor Tile Chrysotile CaCO3 051a Layered Black Asbestos Present NA Tar Mastic Chrysotile 5 052 23B1-24-02 Layered Brown Asbestos Present NA Vinyl Floor Tile Chrysotile CaCO3 052a Layered Black Asbestos Present NA Tar Chrysotile Mastic 053 23B1-25-01 Homogeneous White Asbestos Not Present Cellulose CaCO3 Texture 3/15/2011 cey Holder, Analyst Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



# **ASBESTOS CHAIN OF CUSTODY**

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Female   Formace   Project Court   Project C	Pick By My   Name	Company: EAPTION STUILES	Phone 777-76		Project Information		Report Results (I one box)
E-mail:   Project Location: 202 1/10/2354	E-mail:	10	2/ 77/ House		Statement Buch A		QuanTEM Website
E-mail:   Propert   CMMX22574	Email:   Paper   Date:   Paper   Date:   Paper   Date:   Dat		Cell Phone:	Project Location:	717) 1115) 73°C 4100		Other
DATE & TIME   Date:	SAT-11_ LINE	Account #:	E-mail:	Paletti	1		Ourel
DATE & THME	DATE & TIME   Detect	6112			m. (2000) 4		
DATE & THME	DATE & TIME	<u> </u>	Λ	Date:	•		
S-17-11   Mayle   Hard   Hardrang   S-17-11   Mayle   Hardrang   S-17-11   Mayle   Hardrang   S-14-11   Standard   S-14-11   S-1	3-1/-1/1   1996   1924   192	RELINQUISHED BY	DATE & TIME			ALC: NO.	
3-14-11   79545   1644	3-14-11   79545   1644	Will Will	8-11-11 IIM	>	My 1100 S	וגבת פו	DATE & TIME
S-W-II   24456   1/24_	S-W-// 1994   1464   1664	111.111 8		1/ 94	1 / aufull L. Man	Som	3-1141 HONES
REQUESTED SERVICES (Please & the Appropriate Boxes)  PLM  Air AHERA  Air NOSH 7402  Air 180 10312  Dust Presence / Absence EPAGO/R-93/116  Air 180 10312  Dust Presence / Absence PAGO/R-93/116  Air 180 10312  Dust Presence / Absence PAGO/R-93/116  Air 180 10312  Dust Outmer (Absence PAGO/R-93/116)  Window S Aris Cohposed  Coling Tile 41/2  Coling White Mark Mark  Dust Outmer Area  Coling Tile 41/2  Coling White Mark  Dust Outmer Area  Coling Tile 41/2  Coling White Mark  Coling Tile 41/2  Coling White Mark  Coling White	REQUESTED SERVICES (Please & the Appropriate Boxes)  PLM  TEM  TEM  TEM  Air-AHERA  Air-NIOSH 7402  Bulk-Presence / Absence Photon/R-93/116  Air-NIOSH 7402  Dust-Presence / Absence Photon/R-93/116  Dust-Presence / Absence Photon/R-93/1	· laster h. 1 Hawken			1 hotermo		00
PLM	PLM		REQUESTED SE	RVICES (Please 🛭 the A	ppropriate Boxes)		21,13
Air AHERA	Air - AHERA	PLM		N#L			
Mir- Ninosh 7402   Bulk- Desence / Absence PA600/R-93/116     Air- Niosh 7402   Bulk- Quantitative [weight%]- Charfield     Air- 150 10312   Dust- Presence / Absence     Drinking Water- EPA 100.2   Dust- Quantitative [fibers/sq.cm]- ASTM DS755     Waste Water- EPA 600/4-83-043   Other     Window 6 Maria Vater- EPA 600/4-83-043   Other     Window 6 Maria Vater- EPA 600/4-83-043   Other     Window 6 Maria Vater   Walk / Maria     Window 6 Maria Vater   Other     Waste Water- EPA 600/4-83-043   Other     Window 6 Maria Vater   Other     Waste Water- EPA 600/4-83-043   Ot	Mir. NIOSH 7402   Bulk. Presence / Absence EPA600/R-93/116     Air. NIOSH 7402   Bulk. Quantitative [weight%]. Chaffield     Air. 150 10312   Dust. Presence / Absence     Onliking Water. EPA 100.2   Dust. Quantitative [fibers/sq.cm]. ASTM DS755     Outside   Air. 150 10312   Dust. Quantitative [fibers/sq.cm]. ASTM DS755     Outside   Air. 150 10312   Dust. Quantitative [fibers/sq.cm]. Assence     Outside   Air. 150 10312   Dust. Air. 150 10312     Outside   Air. 150 10312   Dust. 150 10312     Outside   Air. 150		ulite Atticina pation	A1. A11.75.		EM	TURNAROUND TIME
Air NIOSH 7402   Bulk- Quantitative [weight96]- Chaffield   Air ISO 10312   Dust- Presence / Absence   A			0/R-04/004)	AII- AFIEKA	Bulk- Presence / Absen	ICE EPA600/R-93/116	Rush
PCM Dust-Presence / Absence Drinking Water-EPA 100.2  Other Other Cellicy Tile 4x2				Air- NIOSH 7402	Bulk- Quantitative (wei	ight%]- Chatfield	Same Day
PCM    Divided Chair   Divided   Div	Description  Window Glassie Water-EPA 100.2  Window Glassie Company  Celling Tile 4x2  Celling Tile 4x2  Celling Tile 4x2  Celling Tile 4x2  Celling Tile WOMEK MASSE  OU BL Selver Of Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Our 2000 Santa Fe Ave., Oklahoma City, Oklahoma City	11000 1100		Air- ISO 10312	Dust- Presence / Abser	, Ce	+
Or Description (as applicable)  Original Tile 4x2  Original Comments / No Comments / N	Or Description (as applicable)  Orling Tile 4x2.  Celling Tile 4x2.  Celling Tile 4x2.  Owe this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Orl 220 N. Santa Fe Ave., Oklahoma City, Orl 220 N. Santa Fe Ave., Oklahoma City, Orl 220 N. Santa Fe Ave., Oklahoma City, Orl 2220 N. Santa Fe Ave., Oklahoma City,	Gravimetric Preparation	PCM	Orinking Water- EPA 100.2	J. China		-
Celling Tile 4x2  Celling Tile 4x2  Comments / No Comments	Or Celling Tile 4x2  Celling Tile 4x2  Colling Tile 4x2  Colling Tile 4x2  Colling Tile Walk Masse  Owas Four Tile Walk Masse  Owas Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Or 7230 E.		\$   S   S   S   S   S   S   S   S   S	Waste Water, FDA 600/4 92 042	Cast Cagniniative (III)	ers/sq.cmj- A5 IM D5755	3- Day
Ceiling Tite 4x2  Ceiling Tite 4x2  Confined Marie Comments / No.  Confined Area  Comments / No.  Confined Area  Comments / No.  Confined Area  Comments / No.  Comments / No.	Or Celling Tile 4x2  Celling Tile 4x2  Coffing Tile 4x22			C+0-50-4/000 H II - INDIA 3000	Officer		5-Dav
Window Elming Congrand  Certing Tile 4x2  Cypsum Dry Wolf  13" Plan Tile "Object Masse  Dward Fount Compound	Window Glaris Congard  Colling Tile 4x2  Coypensor Dry Wolf  12" Post Tile "Obek MASA"  12" Post Tile "Obek MASA"  12" Post Tile "Obek MASA"  Owald Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Okt 723105 2027	(10 Characters Max) Analyzed	<u>0</u> 101-	Description	Volume / Area		s / Notes
Ceiling Tile 4x2 Capesum Dry Well 13" Plos Tile "BARK MASTE DWBB Soint Compound	Ceiling Till 4x2  Ceiling Till 4x2  Cypsum Dry Well  Dw & Bor Till WOMEN MASIE  Dw & Soint Compound  Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Okt 723105 2027		61: 1. 6	1 1	Carponide car	•	
3 2381-02-01	Ceiling Tile 4x2  Capsus Dry Wall  12 " Post Tile " BARK MASA"  10 " Abs Tile " BARK MASA"  10 " BB Foint Compound  1 " Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Ok. 72105, 2217	02	C MODE IN	THING COMBOARD		Urmstore	
4 02 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Colling Till 4x2  Cypsum Dry Wolf  12" Post Tile "Block MASA"  12" Post Tile "Block MASA"  12" Post Tile "Bound  14" Dwar Colling Coll	2201-00					
5 33.83-03-01	Oxpesus Dry WA   BACK MASKE  12 " Plass Tip of BACK MASKE  DWBB Soint Compound  Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Okt 73105 2017	10.00 1000	Calling Ti	K 4×2			
5 43161-03-01 Wh Gyesum Dry Wall  7 2381-04-01 Wh 12" Plan Tip " Black MASSIE  8 2381-05-01 Wh DWBB FOINT COMPOUND  SATURDAY SAMPLE DELIVERY CALL TO SCIENT COMPOUND	12 L Post Tile of BACK MASAE  12 Los Los Live of Compound  14 Los Coint Compound  15 Los Coint Compound  16 Los Coint Compound  16 Los Coint Compound  17 Los Coint Compound  17 Los Coint Compound  17 Los Coint Compound  17 Los Coint Compound  18 Los Coint Compound  19 Los Coint Compound  10 Los Coint Compound  11 Los Coint Coint Compound  11 Los Coint C	, c					
7 2381-04-01   Wh 12" Por Tip " Office MASSE  8 2381-05-01   Wh DWBB Soirt Compound  8 3381-05-01   Wh DWBB Soirt Compound	DWBB Foirt Compound  Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Ok. 73105 2517	4361-03-01	60000	Dry lux!			
7 2381-04-01   Wh 12" Play Tip " Black MASTIE  8 2381-05-01   Wh 0008 50ist Compound  8 3381-05-01   Wh 0008 50ist Compound	12" Plot Tip " Offer MASTE  Ow & Soirt Compound  Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Ok. 72105.	T		/ ha /			
23B1-05-01 ULA DWAB SOINT COMPOUND	DW & B Soint Compound  Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Ok. 72105.	7381-04-01	, ,	1.10	20.00		
8381-05-01 UNK DWAB SOINT COMPOUND	Owald Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Ok. 7210E 2017		-	11/16	11.4546		
SATURDAY SAMPLE DELIVERY CALL TO SCHOOL OF THE COMPONENT!	Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave Oklahoma City. Ok. 7210E 0817			1 -			
SATURDAY SAMPLE DELIVERY CALL TO SCHEDULE	Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave Oklahoma City, OK 7210E 0217		1	7			
	<ul> <li>Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, Ok. 23105, 9217.</li> </ul>	SATURDAY SAMPLE DEI IVERY - CALL TO COLLEGE		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			



# **ASBESTOS CHAIN OF CUSTODY**

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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Page 2 of U

For Lab Use Only.

Lab No. 192866

1-	Project Information				
	Company: Enercon		Project Name 23th Muthon & Bund Almon		Project Location: 7-77) 11.1.7274 Cl.,,
	No. Sample ID 区 to Be (10 Characters Max) Analyzed	☑ To Be Color Inalyzed		Volu	Area Comments / Notes
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SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"



# Asbestos Chain-of-Custody

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1660 (405) 765-7272 Fax: (405) 755-2058

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93866 This Box for Lab Use Only Lab No.

Acct.#.

Project Location: 200 Nw 23 & Kreet

Company Name. ENERCON Services, Inc.

Project Name: 23" Nahmal Guero

Project Number. ENMIX22274

		Please Print Legibly		27.6	Auft. Anthyrib (Eth mankantus) Air - AHERA		1000 Paint Count Bulk - Qualitative   Yes / No.) - EPAI	Gravemento Propansion Fee Bulk - Quantitative (vesigit %) - Chum	Other Dust - Qualitative (Yes / No.)	Dest - Quantitative (fiberation) - AS	PCM Dynamia Water - EPA 100.0	MIOSH 7400 With Water - EPA 6004-83-043	Other		TURNAROUND TIME CONTACT INFORMAT	Rush Name South William	Same Day	X 24 Hour 722 - 769	1 5	
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CONTACT NIFORMATION NUMBER SCOTT VINCENT, CTH Proper Results VIA (CHOOSE ONE): FAX: AQUENTEM WEDSILE E-Medi: So, vecent & Current Con.
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Saturday FedEx Shipping - CALL TO SCHEDULE
Use this address for Saturday FedEx only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517
Mark Package 'HOLD FOR SATURDAY PICKUP'

Revision: May 2006



# Asbestos Chain-of-Custody

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1860 (405) 755-7272 Fax: (405) 755-2058

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192866 This Box for Lab Usa Only Lab No.

ME Scott Vivery, CIH Luft - Cueffetve | Yes / No j - EPA 600/R-83/116 Dust - Quantitative [Resruing.cm] - ASTM D5766 CONTACT INFORMATION 722-7663 Report Results VIA (CHOOSE CIVIE): Bulk - Quentitative (weight %) - Chatfield Waste Weier - EPA 600K-63-D43 Dust - Qualitative [ Yes / No ] TEM Drinking Water - EPA 100.0 LEGAL DOCUMENT Please Print Legibly Amax Ar- NOBH 7402 AN WHERE Project Name: 23th Mation of Guard Project Number. ENVIX225-4 TURNAROUND TIME Bulk Analysis (EPA 600F 40415) Cravemetric Preparation Fee PLM PCM 1000 Point Count 400 Point Count Seme Day 24 Hour MOSH 7400 3-Day Rush 5-Day Comments Volume / Area (if applicable) Acc. # 845 41,30 Color / Description 8100 Stowd FT 151 9×9 91.9 616 Project Location: 200 NU 234 SHUL Company Name: ENERCON Services, Inc. To Be Analyzed 2381-21-01-00 07 Sample Number -22-01 25-01 24-0 23-0 3/31

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So, went o exercise. Com XQuanTEM WebShe The Day Semple Barripted By: KWArs 3-4-11 Saturday FedEx Shipping - CALL TO SCHEDULE
Use this address for Saturday FedEx only: 4220 N. Santa Fe Ave., Oktahoma City, OK 73105-8517
Mark Package HOLD FOR SATURDAY PICKUP Brensan (a)hrs OHEAR 3-14-11

\* for client, added #53 to coc

2

Revision: May 2005



### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 195836

Account Number:

A845

Date Received:

06/03/2011

Received By:

Barbara Holder

Date Analyzed:

06/08/2011

Analyzed By:

Stacey Holder

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

NE 23rd Armory

Project Location:

200 NE 23rd Street

Methodology:	EPA/600	)/R-93/116		Project Number:	ENMISC2254		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbesto Fiber (%)	S	Non Fibrous
001	23B1-4-02	Layered	Yellow Mastic	Asbestos Not Prese	ent Cellulose	<1	Glue
001a		Layered	White Floor Tile	Asbestos Not Prese	ent Cellulose	<1	Vinyl CaCO3
001ь		Layered	Yellow Mastic	Asbestos Not Prese	nt Cellulose	<1	Glue
002	23B1-4-03	Layered	White Floor Tile	Asbestos Not Prese	nt Cellulose	<1	Vinyl CaCO3
002a		Layered	Yellow Mastic	Asbestos Not Prese	nt Cellulose	<1	Glue
003	23B1-4-04	Layered	White Floor Tile	Asbestos Not Presen	nt Cellulose	<1	Vinyl CaCO3
003a		Layered	Brown Mastic	Asbestos Not Preser	t Cellulose	<1	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 195836

Account Number:

A845

Date Received:

06/03/2011

Received By:

Barbara Holder

Date Analyzed:

06/08/2011

Analyzed By: Methodology: Stacey Holder

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

NE 23rd Armory

Project Location:

200 NE 23rd Street

Project Number:

ENMISC2254

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004	23B1-10-03	Layered	Brown Floor Tile	Asbestos Not Present	Cellulose <1	Vinyl CaCO3
004a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
005	23B1-10-04	Layered	Brown Floor Tile	Asbestos Not Present	Cellulose <1	Vinyl CaCO3
005a		Layered -	Black/Yellow Mastic	Asbestos Present Chrysotile 2	Cellulose <1	Tar Glue
006	23B1-26-01	Layered	Gray Floor Tile	Asbestos Not Present	Cellulose <1	Vinyl CaCO3
006a		Layered	Yellow/Red Mastic	Asbestos Not Present	Cellulose 2	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 195836

Account Number:

A845

Date Received:

06/03/2011

Received By:

Barbara Holder

Date Analyzed: Analyzed By:

06/08/2011

Methodology:

Stacey Holder EPA/600/R-93/116 Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

NE 23rd Armory

Project Location:

200 NE 23rd Street

Project Number:

ENMISC2254

				•		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrou
007	23B1-26-02	Layered	Gray Floor Tile	Asbestos Not Present	Cellulose <1	Vinyl CaCO3
007a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
008	23B1-26-03	Homogeneous	Gray Floor Tile	Asbestos Not Present	Cellulose <1	Vinyl CaCO3
009	23B1-27-01	Layered	Green Floor Tile	Asbestos Present Chrysotile 3	Cellulose <1	Vinyl CaCO3
009a		Layered	Yellow/Red Mastic	Asbestos Not Present	Cellulose 2	Glue
010	23B1-27-02	Layered	Green Floor Tile	Asbestos Present Chrysotile 3	Cellulose <1	Vinyl CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 195836

Account Number:

A845

Date Received:

06/03/2011

Received By:

Barbara Holder

Date Analyzed: Analyzed By:

06/08/2011

Methodology:

Stacey Holder

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

NE 23rd Armory

Project Location:

200 NE 23rd Street

Project Number:

ENMISC2254

Meniodology	EPA/000/R-93/110		Project Number: ENMISC2254			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
01.1	23B1-28-01	Layered	Yellow Mastic	Asbestos Not Present	Cellulose <1	Vinyl CaCO3
<b>011a</b>		Layered	Gray Floor Tile	Asbestos Present Chrysotile 10	Cellulose <1	Vinyl CaCO3
0116		Layered	Black Mastic	Asbestos Present Chrysotile 8	NA .	Tar
012	23B1-28-02	Layered	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
012a	5	Layered	Gray Floor Tile	Asbestos Present Chrysotile 10	NA	Vinyl CaCO3
012b	4.0	Layered	Black Mastic	Asbestos Present Chrysotile 6	NA	Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



## Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 195836

Account Number:

A845

Date Received:

06/03/2011

Received By:

Barbara Holder

Date Analyzed:

06/08/2011

Analyzed By:

Stacey Holder

Methodology:

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

NE 23rd Armory

Project Location:

200 NE 23rd Street

Project Number

FNMISC2254

Methodology:	EPA/000	J/K-93/110		Project Number: ENMI	SC2254	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	23B1-29-01	Layered	Gray Floor Tile	Asbestos Not Present	Cellulose <1	Vinyl CaCO3
013a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
014-	23B1-29-02	Layered	Gray Floor Tile	Asbestos Not Present	Cellulose <1	Vinyl CaCO3
01 <b>4a</b>		Lay <del>e</del> red	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
015	23B1-30-01	Layered	Yellow Mastic	Asbestos Not Present	Cellulose 2	Glue
015a	×	Layered	Brown Floor Tile	Asbestos Present Chrysotile 4	Cellulose <1	Vinyl CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



## Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 195836

17505

Account Number:

A845

Date Received:

06/03/2011

Received By: Date Analyzed: Barbara Holder

Analyzed By:

06/08/2011

Stacey Holder

Methodology:

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project: NE

NE 23rd Armory

Project Location: Project Number: 200 NE 23rd Street ENMISC2254

				rioject Number.	MINITO	C2234		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)	•	Non Fibrous
015Ъ		Layered	Black Mastic	Asbestos Present Chrysotile	6	NA		Tar
016	23B1-30-02	Layered	Brown Floor Tile	Asbestos Present Chrysotile	3	Cellulose	<1	Vinyl CaCO3
016a		Layered	Black Mastic	Asbestos Present Chrysotile	7	Cellulose	<1	Tar .
017	23B1-32-01	Layered	Yellow Mastic	Asbestos Not Present		Cellulose	<1	Glue
017a		Layered	Green Floor Tile	Asbestos Present Chrysotile	5	Cellulose	<1	Vinyl CaCO3
017b	·	Layered	Black Mastic	Asbestos Present Chrysotile	6	NA		Tar
018	23B1-32-02	Layered	Yellow Mastic	Asbestos Not Present		Cellulose	2	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



## Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 195836

Account Number:

A845

Date Received:

06/03/2011

Received By:

Barbara Holder

Date Analyzed:

06/08/2011

Analyzed By:

Stacey Holder

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

NE 23rd Armory

Project Location:

200 NE 23rd Street

Methodology:	EPA/600	0/R-93/116		Project Number:	ENMIS	C2254		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)	3	Non Fibrous
018a		Layered	Green Floor Tile	Asbestos Present Chrysotile	6	Cellulose	<1	Vinyl CaCO3
018b	960	Layered	Black Mastic	Asbestos Present Chrysotile	7	NA		Tar
019	23BI-33-01	Layered	Yellow Mastic	Asbestos Not Present	:	Cellulose	<1	Glue
019a		Layered	White Floor Tile	Asbestos Not Present		Cellulose	<1	Vinyl CaCO3
019ъ		Layered	Yellow Mastic	Asbestos Not Present		Cellulose	<1	Glue
020	23B1-33-02	Layered	Yellow Mastic	Asbestos Not Present		Cellulose	2	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



## Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 195836

Account Number:

A845

Date Received:

06/03/2011

Received By:

Barbara Holder

Date Analyzed: Analyzed By:

Methodology:

06/08/2011

Stacey Holder

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

NE 23rd Armory

Project Location:

200 NE 23rd Street

Project Number:

ENMISC2254

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
020a		Layered	White Floor Tile	Asbestos Not Present	Cellulose <1	Vinyl CaCO3
020Ъ		Layered	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
021	23B1-31-01	Homogeneous	Yellow Carpet Mastic	Asbestos Not Present	Cellulose 2 Synthetic 2	Glue
022	23B1-31-02	Homogeneous	Yellow Carpet Mastic	Asbestos Not Present	Cellulose <1 Synthetic 2	Glue

6/8/2011

Date of Report



2033 Herltage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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TURNAROUND TIME Report Results (El one box) Reject DATE & TIME 100h **Website** Same Day 24 - Hour 5-Day 3-Day Rush 188 Comments / Notes # Other 2 mg HOOK - Room Dust-Quantitative [fibers/sq.cm]- ASTM D5755 Bulk- Presence / Absence EPA600/R-93/116 Bulk- Quantitative [welght%]- Chatfield RECEIVED BY Project Location: 200 NE 23-4 SHEET Dust- Presence / Absence Volume / Area (as applicable) Project information Project Name: NE 23# Honory REQUESTED SERVICES (Please I the Appropriate Boxes) Project ID: EMMISC 2254 Other 12 x 12" Tile - Black and Ydbas Mustic white 12"x12" Tile - Yellow Master White 12" X12" Tile- Yeller / Black Master 12"X12" 17e - 4Mon Maste 12"x 12" Tile - Black Master Waste Water- EPA 600/4-83-043 Drinking Water- EPA 100.2 Description Date: (-2-/ Air-NIOSH 7402 There Air- ISO 10312 Air-AHERA Cell Phone: 802-5700 Phone: 722-7693 9 idsam DATE & TIME 6-3-11 E-mall: Vermiculite Attic Insulation (EPA 600/R-04/004) Branscum Contact Information PC₹ PLM Color Brown Brown Ul.te **NIOSH 7400** SKAY 11 Other necen Services, Inc. Name Marshall Sankum RELINQUISHED BY ☑ To Be Analyzed 区 Browden Bulk Analysis (EPA 600/R-93/116) (10 Characters Max) Gravimetric Preparation 2387-4-02 - 4-03 40-6--/0-03 h0-01-Sample ID 10-72-1000 Point Count PLM 400 Point Count Sampled By: Particle ID Company: 1 Contact Š 4 9

SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"

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Red Painton to How of Tiles



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No. Sample ID & To Be  No. Sample ID & To Be  11 2381-28-0  & Gr  12 -28-02 & Gr  13 -29-02 & Gr  14 -29-02 & Gr  15 -30-01 & Gr  16 -30-02 & Gr  17 -32-0  & Gr  20 -33-02 & Gr  21 -31-0  & Gr  22 -31-0  & Gr  23 -31-0  & Gr  24 -31-0  & Gr  25 -31-0  & Gr  26 -33-02 & Gr  27 -31-0  & Gr  28 -31-0  & Gr  29 -33-02 & Gr  20 -33-02 & Gr  21 -31-0  & Gr  22 -31-0  & Gr  23 -31-0  & Gr  24 -31-0  & Gr  25 -31-0  & Gr  26 -31-02 & Gr  27 -31-02 & Gr  28 -31-02 & Gr  29 -31-02 & Gr  20 -31-03 &			
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# CERTIFICATE OF INSPECTION FOR ASBESTOS-CONTAINING BUILDING MATERIALS NATIONAL GUARD ARMORY

### **BUILDING 2**

# 200 NE 23<sup>RD</sup> STREET OKLAHOMA CITY, OK

On March 17, 2011, Building 2 at the National Guard Armory, 200 NE 23<sup>rd</sup> Street, Oklahoma City, Oklahoma was inspected for the presence of asbestos-containing building materials (ACBMs). The inspection was performed by Scott Vincent, AHERA Management Planner OK-MP139674.

Samples of sprayed-on insulation, floor tiles/mastic and window glazing were collected and analyzed for asbestos content. A total of nine samples from three homogeneous areas were collected. None of the materials contained asbestos.

No regulated levels of friable ACBM or non-friable ACBM were found to be present in Building 2.

This is to certify that Building 2 was inspected according to AHERA criteria and that the foregoing findings are based upon the result of the Management Planner's professional judgment.

H. Scott Vincent, CIH

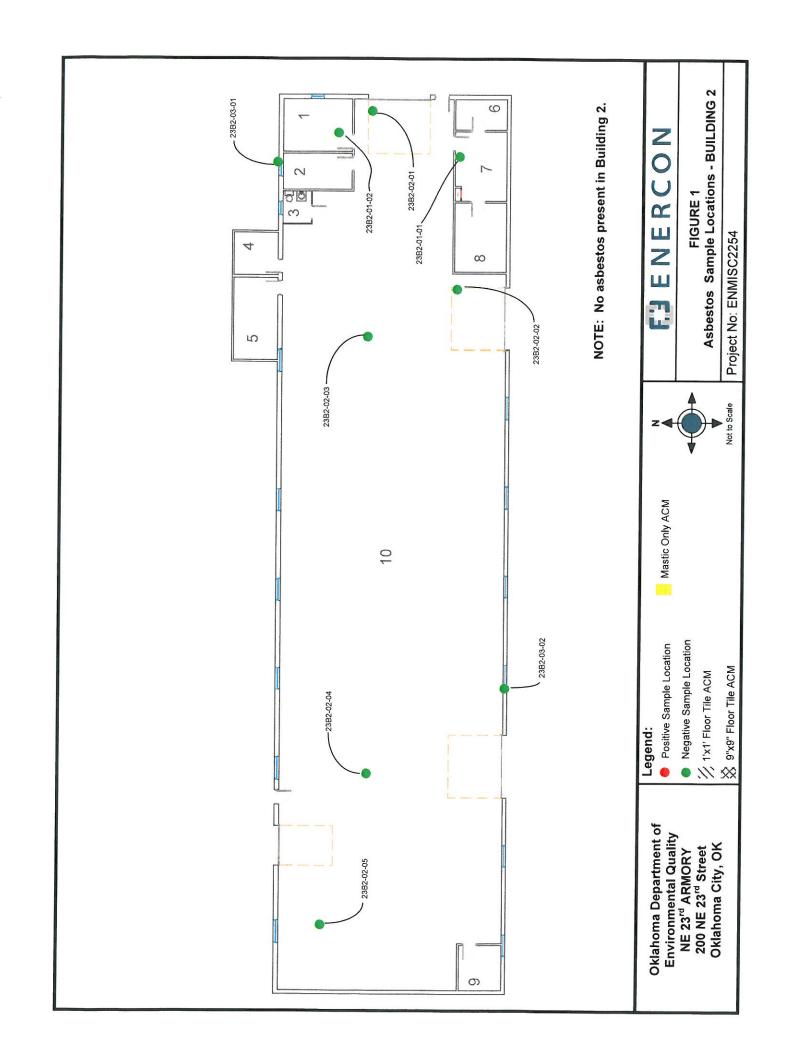
AHERA Management Planner, OK-MP139674

Date of Inspection: 03/17/2011

Date of Sample Analyses: 03/18/2011

Attachments

Building layout with sample locations Laboratory report excerpt/chain of custody





### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 193063 Client: Enercon Services, Inc. Account Number: A845 6525 N. Meridian, Suite 400 Oklahoma City, OK 73116 Date Received: 03/18/2011 Received By: Sherrie Leftwich Date Analyzed: 03/23/2011 Project: **OK National Guard** Analyzed By: Gayle Ooten Project Location: NE 23rd & Broad Ext. Methodology: EPA/600/R-93/116 Project Number: N/A QuanTEM Client Color / Non-Asbestos Non Fibrous Sample ID Sample ID Composition Description Asbestos (%) Fiber (%) 018 23-3-10-01 Homogeneous White Asbestos Present NA CaCO3 Chrysotile Window Glazing <1 Paint 23-3-10-02 019 Homogeneous White Asbestos Present NA CaCO3 Window Glazing Chrysotile <1 Paint 020 23-2-01-01 Layered Cream Asbestos Not Present NA Vinyl Floor Tile CaCO3 020a Layered Yellow Asbestos Not Present Cellulose Glue Mastic 021 23-2-01-02 Layered Gray Asbestos Not Present NA Vinyl Floor Tile CaCO3 021a Layered Yellow Asbestos Not Present NA Glue Mastic

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 193063

A845

Account Number: Date Received:

03/18/2011

Received By:

Sherrie Leftwich

Date Analyzed:

03/23/2011

Analyzed By:

Gayle Ooten

Client:

Project:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

**OK National Guard** 

Project Location:

NE 23rd & Broad Ext.

Methodology:	EPA/60	0/R-93/116			/A	
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	23-2-02-01	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 6	) Binder
023	23-2-02-02	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 65	5 Binder
024	23-2-02-03	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 65	Binder
025	23-2-02-04	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 60	Binder
026	23-2-02-05	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 60	Binder
027	23-2-03-01	Homogeneous	White Window Glazing	Asbestos Not Present	NA .	CaCO3 Paint
028	23-2-03-02	Homogeneous	White Window Glazing	Asbestos Present Chrysotile	NA	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



Page 1 of B

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Lab No.

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Company: ENERCON Services		Phone: 722-7693	Project Name:	111111111111111111111111111111111111111	
Contact: Scott Vincent, CIH		Cell Phone: 595-7703	Project Location		Quantem Website
Account #:		Email: evincent@coccord	1	CON A DISTORY	Other
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1000 Point Count	Other	LICON LIV	/402	Bulk-Quantitative [weight%]- Chatfield	Same Day
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SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N, Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"



2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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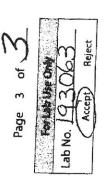
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2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup" Sample # 5 are 23.5-05-01 \$ 23.5-05-02 BNU

# CERTIFICATE OF INSPECTION FOR ASBESTOS-CONTAINING BUILDING MATERIALS NATIONAL GUARD ARMORY

### **BUILDING 3**

200 NE 23<sup>RD</sup> STREET OKLAHOMA CITY, OK

On March 17, 2011, Building 3 at the National Guard Armory, 200 NE 23<sup>rd</sup> Street, Oklahoma City, Oklahoma was inspected for the presence of asbestos-containing building materials (ACBMs). The inspection was performed by Scott Vincent, AHERA Management Planner OK-MP139674.

Samples of corrugated Transite roof panels, floor tiles/mastic, drywall, drywall joint compound, wall texture, ceiling tiles and window glazing were collected and analyzed for asbestos content. A total of 19 samples from ten homogeneous areas were collected. Floor tiles/mastic contained 6-12% Chrysotile and the corrugated Transite roof panels contained 20% Chrysotile. No other suspect materials were found to be present in the building. The floor tiles/mastic are Category I Non-friable asbestos and the Transite roof panels are Category II Non-friable asbestos. There was approximately 625 SF of ACM floor tiles/mastic, 2,700 SF of ACM floor tiles with non-asbestos mastic and approximately 10,000 SF of Transite roof panels present.

If the building is to be continued in use, preparation of an Asbestos Management Plan is recommended for management of these materials in place. If the building is to be demolished, the Transite roof panels must be removed by properly trained personnel prior to demolition. The floor tiles and mastic may remain in place during demolition.

This is to certify that Building 3 was inspected according to AHERA criteria and that the foregoing findings are based upon the result of samples analyzed and the Management Planner's professional judgment.

H. Scott Vincent, CIH

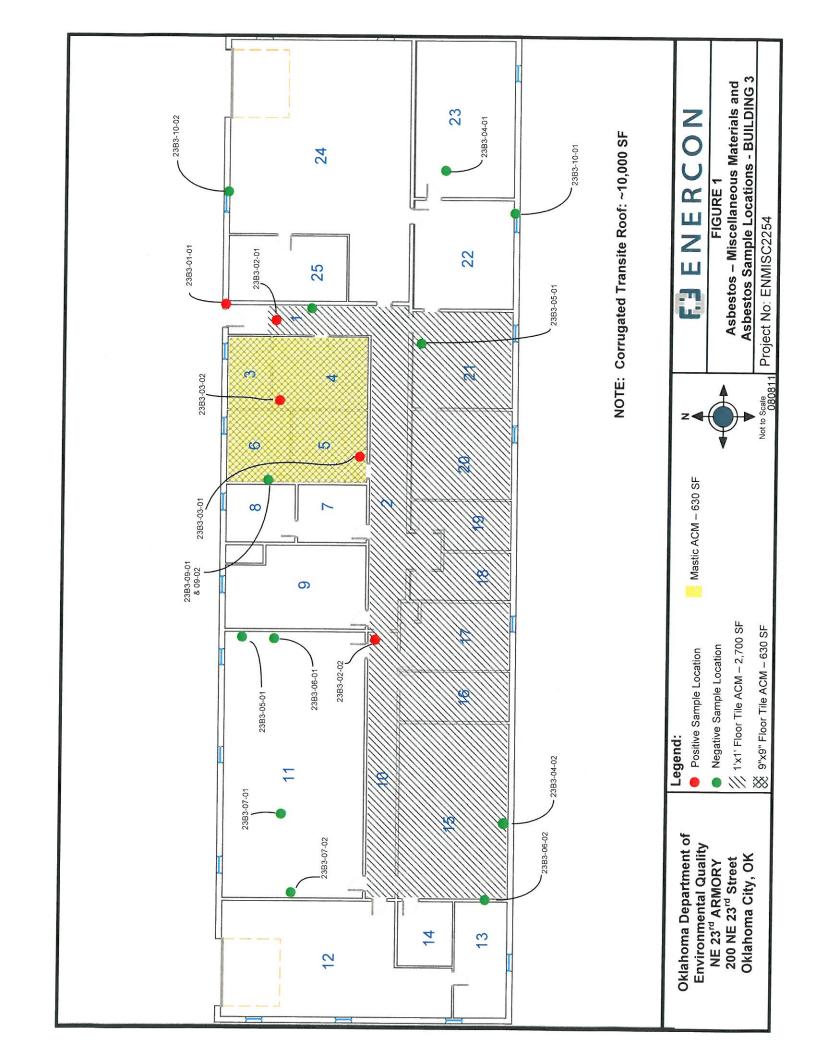
AHERA Management Planner, OK-MP139674

Date of Inspection: 03/17/2011

Date of Sample Analyses: 03/18/2011

Attachments

Building layout with sample and asbestos locations Laboratory report excerpt/chain of custody





## Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 193063

Account Number:

A845

Date Received:

03/18/2011

Received By:

Sherrie Leftwich

Date Analyzed: Analyzed By:

03/23/2011

Gayle Ooten

Methodology:

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

OK National Guard

Project Location:

NE 23rd & Broad Ext.

Project Number:

N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrous
001	23-3-01-01	Homogeneous	Gray Transite	Asbestos Present Chrysotile	20	NA		CaCO3 Binder
002	23-3-02-01	Layered	Cream Floor Tile	Asbestos Present Chrysotile	6	NA		Vinyl CaCO3
002a		Layered	Yellow Mastic	Asbestos Not Present		Cellulose	<1	Glue
003	23-3-02-02	Layered	** Floor Tile	**	e	Not Analyzed		
Positive Stop 003a		Layered	Yellow Mastic	Asbestos Not Present	ls.	Cellulose	<1	Glue Binder
004	23-3-03-01	Layered	Brown Mastic	Asbestos Not Present		Cellulose	<1	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 193063

Account Number:

A845

Date Received:

03/18/2011

Received By:

Sherrie Leftwich

Date Analyzed:

03/23/2011

Analyzed By:

Gayle Ooten

Methodology:

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

OK National Guard

Project Location:

NE 23rd & Broad Ext.

Project Number:

N/A

				TO SHALL BE STOLEN TO SHALL BE				
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbesto Fiber (%)	3	Non Fibrous
004a		Layered	Gray Floor Tile	Asbestos Present Chrysotile	12	NA		Vinyl CaCO3
004Ъ		Layered	Black Mastic	Asbestos Present Chrysotile	5	Cellulose	<1	Tar
005	23-3-03-02	Layered	Gray Floor Tile	Asbestos Present Chrysotile	10	NA		Vinyl CaCO3
005a	¥	Layered	Black Mastic	Asbestos Present Chrysotile	3	NA		Tar
006	23-3-04-01	Homogeneous	White Ceiling Tile	Asbestos Not Present		Cellulose Glass Fiber	20 40	Paint Perlite
007	23-3-04-02	Homogeneous	White Ceiling Tile	Asbestos Not Present	8	Cellulose Glass Fiber	30 30	Paint Perlite

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 193063 Account Number:

A845

Date Received:

03/18/2011

Received By:

Sherrie Leftwich

Date Analyzed:

03/23/2011

Analyzed By:

Gayle Ooten

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

**OK National Guard** 

Project Location:

NE 23rd & Broad Ext.

Methodology:	EPA/60	0/R-93/116		Project Number:	N/A		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	;	Non Fibrous
008	23-3-05-01	Homogeneous	White Sheetrock	Asbestos Not Prese	nt Cellulose	3	Gypsum
009	23-3-05-02	Homogeneous	White Sheetrock	Asbestos Not Prese	nt Cellulose	7	Gypsum
010	23-3-06-01	Homogeneous	White Joint Compound	Asbestos Not Prese	nt Cellulose	<1	CaCO3 Gypsum
011	23-3-07-01	Layered	White Floor Tile	Asbestos Not Preser	nt NA		Vinyl CaCO3
				s			33.
011a		Layered	Brown Mastic	Asbestos Not Preser	t Cellulose	<1	Glue
		e e			9 *		
012	23-3-07-02	Layered	White Floor Tile	Asbestos Not Presen	nt NA		Vinyl CaCO3
Δ	er.	8	180				
012a		Layered	Yellow Mastic	Asbestos Not Presen	t Cellulose	<1	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



## Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No.

193063

Account Number:

A845

Date Received:

03/18/2011

Received By:

Sherrie Leftwich

Date Analyzed: Analyzed By:

03/23/2011

Gayle Ooten

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

**OK National Guard** 

Project Location:

NE 23rd & Broad Ext.

Methodology:	EPA/60	0/R-93/116		Project Number:	N/A		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbesto Fiber (%)	S	Non Fibrous
013	23-3-08-01	Homogeneous	White Joint Compound	Asbestos Not Pres	ent Cellulose	<1	CaCO3 Gypsum
014	23-3-06-02	Layered	White Texture	Asbestos Not Pres	ent Cellulose	<1	CaCO3 Paint
01 <b>4</b> a		Layered	White Sheetrock	Asbestos Not Pres	ent Cellulose	30	Gypsum
015	23-3-08-02	Homogeneous	White Joint Compound	Asbestos Not Prese	ent NA		CaCO3 Gypsum
016	23-3-09-01	Homogeneous	White Ceiling Tile	Asbestos Not Prese	ent Cellulose	75	Paint
017	23-3-09-02	Homogeneous	White Ceiling Tile	Asbestos Not Prese	nt Cellulose	75	Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



## Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 193063

Account Number:

A845

Date Received:

03/18/2011

Received By:

Sherrie Leftwich

Date Analyzed: Analyzed By:

03/23/2011

Gayle Ooten

Methodology:

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

**OK National Guard** 

Project Location:

NE 23rd & Broad Ext.

Project Number:

N/A

		0,113,0,110	ø	Hojeet Humber. N/A		1.60
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	23-3-10-01	Homogeneous	White Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3 Paint
019	23-3-10-02	Homogeneous	White Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3 Paint
020	23-2-01-01	Layered	Cream Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
020a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
021	23-2-01-02	Layered	Gray Floor Tile	Asbestos Not Present	NA	Vinyl CaCO3
021a	OF THE STREET	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



Page 1 of

Contact Contact Lab No. 193063 Accep

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058 LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

Contact: Scott Vincent, CIH	s					
			Project Name:	1		
		Cell Phone: 595-7703	Project Location:	11823 da 11		Quan/EM Website
Account #:		F-mail: svincent@enercon.com	1		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	THE STATE OF THE S
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I woo roint count		Air-ISO 10312	312	Dust- Presence / Absence		24 - Hour
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al licie IU	NIOSH 7400	Waste Wat	Waste Water- EPA 600/4-83-043	Other		F. Day
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2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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Page 2 of

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SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"



2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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Page 3 of S

Eab No. 193063

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SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup" Sample # 15 are 23.5-05-01 \$ 23.5-05-02 BN

# CERTIFICATE OF INSPECTION FOR ASBESTOS-CONTAINING BUILDING MATERIALS NATIONAL GUARD ARMORY BUILDING 4

# 200 NE 23<sup>RD</sup> STREET OKLAHOMA CITY, OK

On March 17, 2011, Building 4 at the National Guard Armory, 200 NE 23<sup>rd</sup> Street, Oklahoma City, Oklahoma was inspected for the presence of asbestos-containing building materials (ACBMs). The inspection was performed by Scott Vincent, AHERA Management Planner OK-MP139674.

Samples of window glazing, floor tiles/mastic, drywall joint compound, ceiling tiles and Transite flue piping were collected and analyzed for asbestos content. A total of eleven samples from six homogeneous areas were collected. Floor tiles/mastic contained 2-4% Chrysotile and three Transite flues contained 10% Chrysotile and 15% Crocidolite. No other suspect materials were found to be present in the building. The floor tiles/mastic are Category I Non-friable asbestos and may remain in place during demolition. There was approximately 12,100 SF of floor tiles/mastic and approximately 45 LF of Transite flues. The Transite flues must be removed by properly trained personnel prior to demolition of the building.

### Three Transite flues must be removed prior to demolition of Building 4.

This is to certify that Building 4 was inspected according to AHERA criteria and that the foregoing findings are based upon the result of samples analyzed and the Management Planner's professional judgment.

H. Scott Vincent, CIH

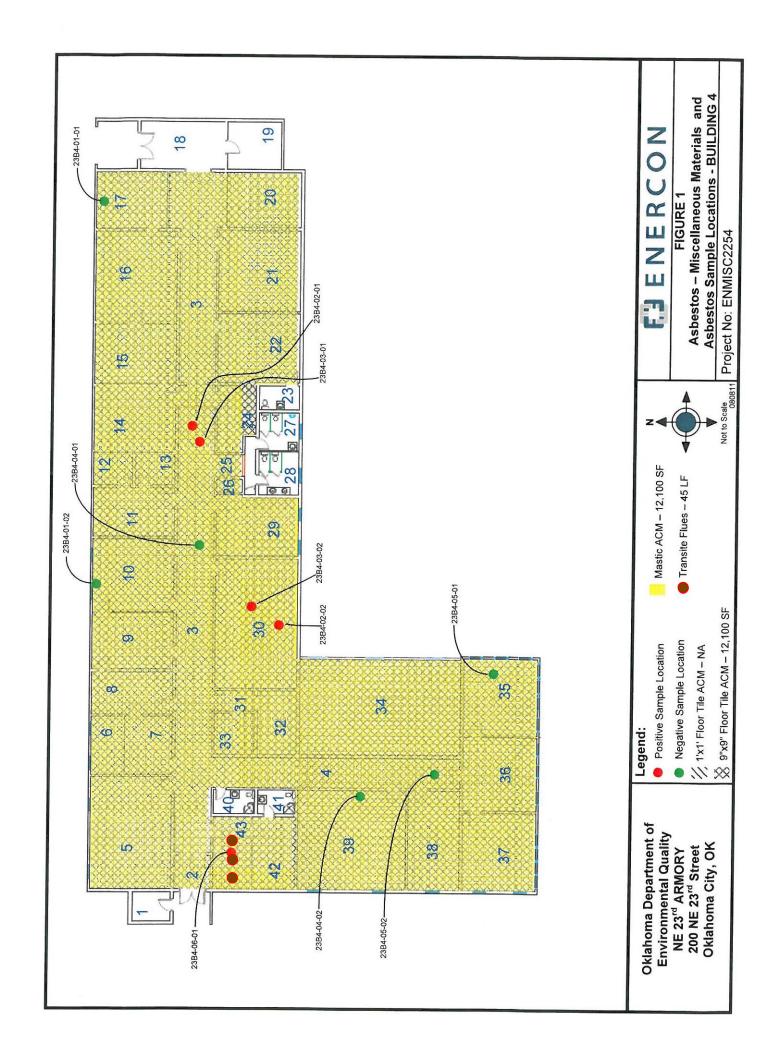
AHERA Management Planner, OK-MP139674

Date of Inspection: 03/17/2011

Date of Sample Analyses: 03/18/2011

### Attachments

Building layout with sample and asbestos locations Laboratory report excerpt/chain of custody





### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 193063

Account Number:

A845

Date Received:

03/18/2011

Received By:

Sherrie Leftwich

Date Analyzed: Analyzed By:

Methodology:

03/23/2011

Gayle Ooten EPA/600/R-93/116 Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

OK National Guard

Project Location:

NE 23rd & Broad Ext.

Project Number:

N/A

				•		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
039	23-4-01-01	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3 Paint
040	23-4-01-02	Homogeneous	White Window Glazing	Asbestos Not Present	Cellulose <1	CaCO3 Paint
041	23-4-02-01	Layered	Dark Brown Floor Tile	Asbestos Present Chrysotile 3	Cellulose <1	Vinyl CaCO3
041a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose <1	Glue
042	23-4-02-02	Layered	Dark Brown Floor Tile	Asbestos Present Chrysotile 3	Cellulose <1	Vinyl CaCO3
042a		Layered	Black Mastic	Asbestos Present Chrysotile 4	NA	Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



# Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 193063

Account Number:

A845

Date Received:

03/18/2011

Received By:

Sherrie Leftwich

Date Analyzed:

03/23/2011

Analyzed By:

Gayle Ooten

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

OK National Guard

Project Location:

NE 23rd & Broad Ext.

Methodology:	EPA/600	/R-93/116		Project Number:	NE 23FC	& Broad Ext.		
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbesto: Fiber (%)	S	Non Fibrous
043	23-4-03-01	Layered	Dark Brown Floor Tile	Asbestos Present Chrysotile	2	Cellulose	<1	Vinyl CaCO3
043a		Layered	Black Mastic	Asbestos Present Chrysotile	4	NA		Tar
044	23-4-03-02	Layered	Brown Floor Tile	Asbestos Present Chrysotile	2	Cellulose	<1	Vinyl CaCO3
044a	,	Layered	Black Mastic	Asbestos Present Chrysotile	3	NA		Tar
045	23-4-04-01	Homogeneous	White Joint Compound	Asbestos Not Presen	t	Cellulose	2	CaCO3
046	23-4-04-02	Layered	White Texture	Asbestos Not Present	<u>t</u>	Cellulose	<1	CaCO3
046a		Layered	Tan Joint Compound	Asbestos Present Chrysotile	<1	Cellulose	2	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



### Polarized Light Microscopy Asbestos Analysis Report

					100			
QuanTEM Lab Account Numb				Client:	6525 N	on Services, Inc.  N. Meridian, Suite		
Date Received: Received By:		011 Leftwich	*		Okland	oma City, OK 731	16	
Date Analyzed:			*	Project:	OK Na	tional Guard		
Analyzed By:	Gayle O	oten		Project Location:	NE 231	rd & Broad Ext.		
Methodology:	EPA/600	0/R-93/116		Project Number:	N/A			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)		Non-Asbestos Fiber (%)		Non Fibrou
	<i>x</i> .							1000
047	23-4-05-01	Homogeneous	White	Asbestos Not Press	ent	Cellulose	30	Perlite
		_	Ceiling Tile			Glass Fiber	30	Binder
							-	Dirigor
	•					n - 5		
048	23-4-05-02	Homogeneous	White	Asbestos Not Prese	ent	Cellulose	25	Perlite
			Ceiling Tile			Glass Fiber	30	Binder
					104/0			
049	23-4-06-01	Homogeneous	Gray	Asbestos Present		NA		Binder
			Transite	Chrysotile	10			CaCO3
	20			Crocidolite	15			
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	Gayle O	oten, Analyst		Date of Report				



Page 1 of

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058 LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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Project Location         WECEIVED BY         BIT IN 40.10           Image: Fig. 10 of the reserve of Absence Absenc
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Bulk-Quantitative [weight%]- Chatfield  Dust-Presence / Absence  Dust-Quantitative [fibers/sq.cm]- ASTM D5755
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2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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Page 3 of Stable on Stab No. 193063

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SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Defiveryionly: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup" Sample #15 are 23.5-05-01 \$ 23.5-05-02 BN

# CERTIFICATE OF INSPECTION FOR ASBESTOS-CONTAINING BUILDING MATERIALS NATIONAL GUARD ARMORY BUILDING 5

# 200 NE 23<sup>RD</sup> STREET OKLAHOMA CITY, OK

On March 17, 2011, Building 5 at the National Guard Armory, 200 NE 23<sup>rd</sup> Street, Oklahoma City, Oklahoma was inspected for the presence of asbestos-containing building materials (ACBMs). The inspection was performed by Scott Vincent, AHERA Management Planner OK-MP139674.

Samples of drywall, drywall joint compound, wall tiles, wall texture and floor tiles/mastic were collected and analyzed for asbestos content. A total of ten samples from five homogeneous areas were collected. None of the materials contained asbestos.

No regulated levels of friable ACBM or non-friable ACBM were found to be present in Building 5.

This is to certify that Building 5 was inspected according to AHERA criteria and that the foregoing findings are based upon the result of the Management Planner's professional judgment.

H. Scott Vincent, CIH

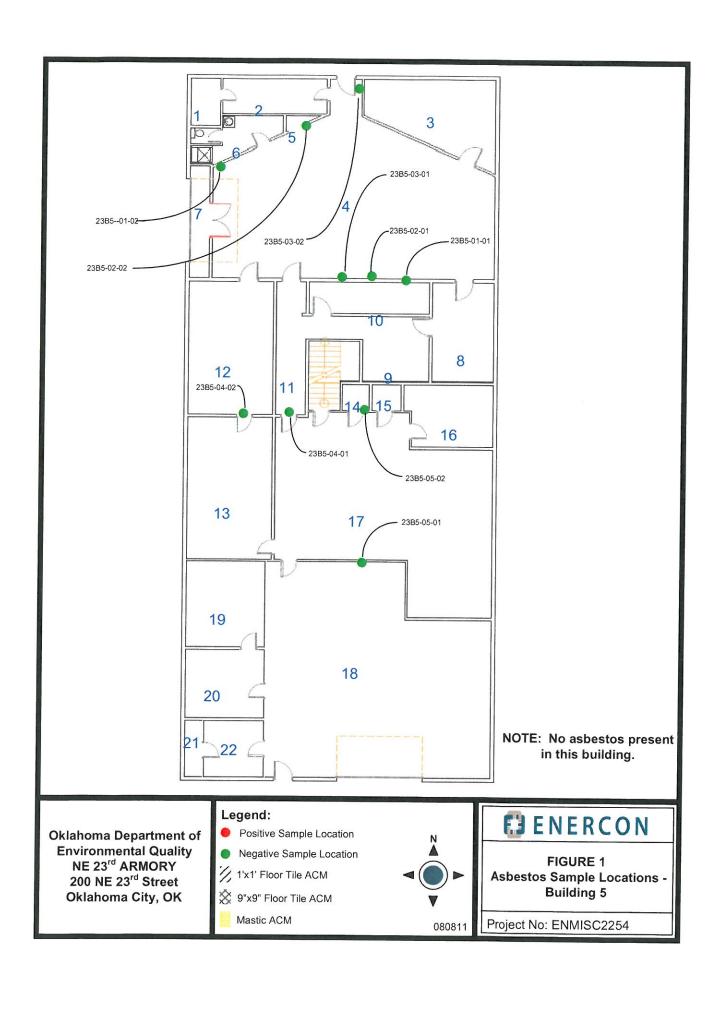
AHERA Management Planner, OK-MP139674

Date of Inspection: 03/17/2011

Date of Sample Analyses: 03/18/2011

Attachments

Building layout with sample locations Laboratory report excerpt/chain of custody





## Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 193063

Client:

Enercon Services, Inc.

Account Number:

A845

Date Received:

6525 N. Meridian, Suite 400 Oklahoma City, OK 73116

03/18/2011

Received By:

Sherrie Leftwich

Date Analyzed:

03/23/2011

Project:

OK National Guard

Analyzed By:

Gayle Ooten

Project Location:

NE 23rd & Broad Ext.

Methodology:

EPA/600/R-93/116

Project Number:

N/A

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	23-5-01-01	Homogeneous	White Joint Compound	Asbestos Not Present	Cellulose	<1 CaCO3
030	23-5-01-02	Homogeneous	White Joint Compound	Asbestos Not Present	Cellulose	2 CaCO3
031	23-5-02-01	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
032	23-5-02-02	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	4 Gypsum
033	23-5-03-01	Homogeneous	White Ceiling Tile	Asbestos Not Present		0 Paint 5 Binder
034	23-5-03-02	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 1 Glass Fiber 5	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 193063

Account Number:

A845

Date Received:

03/18/2011

Received By:

Sherrie Leftwich

Date Analyzed: Analyzed By:

Methodology:

03/23/2011

Gayle Ooten

EPA/600/R-93/116

Client:

Enercon Services, Inc.

6525 N. Meridian, Suite 400

Oklahoma City, OK 73116

Project:

**OK National Guard** 

Project Location:

NE 23rd & Broad Ext.

Project Number:

N/A

wiemodology.	LIA	U/IX-93/110		Project Number: N/A			
QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)		Non Fibrous
035	23-5-05-01	Homogeneous	White Wall Texture	Asbestos Not Present	Cellulose	2	CaCO3 Paint
036	23-5-05-02	Homogeneous	White Wall Texture	Asbestos Not Present	Cellulose	<1	CaCO3 Paint
037	23-5-04-01	Layered	White Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
037a	н "	Layered	Yellow Mastic	Asbestos Not Present	Cellulose	<1	Glue
038	23-5-04-02	Layered	White Floor Tile	Asbestos Not Present	NA		Vinyl CaCO3
038a		Layered	Yellow Mastic	Asbestos Not Present	Cellulose <	<1	Glue

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.



Page 1 of B

for the state of

Lab No.

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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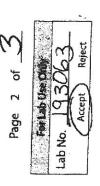
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Account#		1	a Co of Bray Ex. 1.	Other
	Email: SVIncent@enercon.com	Project ID:		
Sample of Name John Richmon	Date:	11/11		
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I non Point count	Air-ISO 10312		Dust- Presence / Absence	
Gravimetric Preparation PCM	Drinking Water EPA 100.2	- EPA 100.2	Dust- Quantitative (Shere/co.cm). ACTM DETER	74 - Hour
Particle ID NIOSH 7400	Waste Water- El	Waste Water- EPA 600/4-83-043	Other	V 3-Day
No. 1. Sample ID G To Be Color	MOIT BUSH	I log	Volume / Area	Committee (North
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SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, OK 73105-8517 • Mark Package "Hold for Saturday Pickup"



2033 Heritage Park Drive, Oklahoma City, OK 73120-7502 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

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LIVE SELVICES	rvices		Project Name: PK //Misult (Sult all		171
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Project information Company: ENERCON Services	rvices		Project Name: 71 / / / / / / / / / / / / / / / / / /	
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SATURDAY SAMPLE DELIVERY - CALL TO SCHEDULE • Use this address for Saturday Delivery only: 4220 N. Santa Fe Ave., Oklahoma City, DK 73105-8517 • Mark Package "Hold for Saturday Pickup" Sample the save 23,5-05-01 \$ 23,5-05-02 BN