



Asbestos Inspection Report

For

**Land-Of-Sky Regional
Council**

At

Former Grey Hosiery Mill

AES Project # 4202.01 - AI

Prepared By:

**Alpha Environmental Sciences, Inc.
Waynesville, North Carolina**

June 2004

Inspector: Jennifer Bradish

North Carolina Asbestos Accreditation Number: 11866

PROFESSIONAL ENVIRONMENTAL CONSULTING

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Asbestos Inspection Report for

Former Grey Hosiery Mill

On May 11, 2004, an asbestos inspection was performed on interior and exterior of the former Grey Hosiery Mill, located in Hendersonville, North Carolina.

Bulk samples of suspect asbestos-containing materials (ACM) were collected and analyzed using Polarized Light Microscopy (PLM).

PLM is the EPA approved method for analyzing bulk samples for asbestos. This method utilizes a light microscope equipped with polarizing filters. The identification of asbestos fibers is determined by the visual properties displayed when the sample is treated with various dispersion staining liquids. Identification is substantiated by the actual structure of the fiber and the effect of polarized light on the fiber. The limit of detection of asbestos by PLM is about 1 percent by area; thus, samples containing lower levels of asbestos are not reliably detected by this technique. The PLM method does determine both the percent (1% or above) and type of asbestos in the bulk sample.

The bulk samples were taken of friable (material which can be crumbled or reduced to powder by hand pressure) and nonfriable forms of suspected ACM. The suspected ACM samples were taken from the following:

- Miscellaneous Material
- Surfacing Materials
- Thermal System Insulation

Description of Each Homogeneous Area:

Suspect materials are divided into homogeneous areas for sampling. A homogeneous area is described as a section of material with the same color, texture, age, composition, and other characteristics that indicate a continuity of the material. The following is a description of the homogeneous areas and an estimate of quantity (percentage) of asbestos, location, and type of asbestos in each homogeneous area. If no asbestos was detected in a sample, it is indicated as ND (None Detected).

ALPHA

Sample No.	Location	% Asbestos/Type
G-03-01	1 st Floor Storage Area	None Detected
G-03-02	2 nd Floor Storage Area	None Detected
G-03-03	Storage Area – Parts Office	None Detected

Homogeneous Area: G-03 Joint Compound and Tape

Homogeneous Area G-03 is the joint compound and tape located on the sheetrock wall and ceiling material throughout the building. There is approximately 500 SF of this friable material, which is in good condition.

Sample No.	Location	% Asbestos/Type
G-02-01	Storage Area	None Detected
G-02-02	Storage Area	None Detected

Homogeneous Area: G-02 Sheetrock Material

Homogeneous Area G-02 is the sheetrock material located throughout the building. There is approximately 5000 SF of this friable material, which is in good condition.

Sample No.	Location	% Asbestos/Type
G-01-01-A (Tile)	Office Area	8 % / Chrysotile
G-01-01-B (Mastic)	Office Area	15 % / Chrysotile
G-01-02-A (Tile)	Womens Restroom	Not Analyzed
G-01-02-B (Mastic)	Womens Restroom	Not Analyzed

Homogeneous Area: G-01 9" X 9" Gray Floor Tile with Black Streaks & Mastic

Homogeneous Area G-01 is the 9" X 9" gray floor tile with black streaks & mastic located in the womens restroom, office area and associated corridor. There is approximately 275 SF of this non-friable material, which is in good condition.

Homogeneous Area: G-04 Pipe Thermal System Insulation – Straight Runs

Homogeneous Area G-04 is the pipe thermal system insulation – straight runs located in the main storage area and also there is a debris pile of 5 linear feet located in the basement next to the elevator. There is approximately 50 LF of this friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-04-01	Storage Area	40 % / Chrysotile
G-04-02	Storage Area	Not Analyzed
G-04-03	Storage Area	Not Analyzed

Homogeneous Area: G-05 Pipe Thermal System Insulation – Hard Joints

Homogeneous Area G-05 is the pipe thermal system insulation – hard joints located in the storage area. There is approximately 1 LF of this friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-05-01	Storage Area	20 % / Chrysotile
G-05-02	Storage Area	5 % / Amosite
G-05-03	Storage Area	Not Analyzed

Homogeneous Area: G-06 Window Caulking – Old Style Windows

Homogeneous Area G-06 is the window caulking – old style windows located in various areas throughout the building. There is approximately 2000 LF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-06-01	2 nd Storage Area	None Detected
G-06-02	2 nd Storage Area	None Detected

ALPHA

Homogeneous Area: G-07 Gray Painted Cream Square Pattern Linoleum

Homogeneous Area G-07 is the gray painted cream square pattern linoleum located in the water division office and along the wall seam of the offices near the loading dock. There is approximately 300 SF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-07-01	Office – Loading Dock	10 % / Chrysotile
G-07-02	Office – Loading Dock	Not Analyzed

Homogeneous Area: G-08 Gray Painted Cream Pebble Pattern Linoleum & Mastic

Homogeneous Area G-08 is the gray painted cream pebble pattern linoleum & mastic located in the 3rd office of the loading dock area. There is approximately 150 SF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-08-01-A (Linoleum)	3 rd Office – Loading Dock	3 % / Chrysotile
G-08-01-B (Mastic)	3 rd Office – Loading Dock	None Detected
G-08-02-A (Linoleum)	3 rd Office – Loading Dock	Not Analyzed
G-08-02-B (Mastic)	3 rd Office – Loading Dock	None Detected

Homogeneous Area: G-09 2' X 4' White Ceiling Tile with Short Fissures

Homogeneous Area G-09 is the 2' X 4' white ceiling tile with short fissures located in the office area of the loading dock. There is approximately 150 SF of this friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-09-01	Office – Loading Dock	None Detected
G-09-02	Office – Loading Dock	None Detected



Homogeneous Area: G-10 12" X 12" Beige Floor Tile with Brown and White Specks & Mastic

Homogeneous Area G-10 is the 12" X 12" beige floor tile with brown and white specks & mastic located in all offices of the parts area. There is approximately 1700 SF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-10-01-A (Tile)	Office – Parts Area	None Detected
G-10-01-B (Mastic)	Office – Parts Area	10 % / Chrysotile
G-10-02-A (Tile)	Office – Parts Area	None Detected
G-10-02-B (Mastic)	Office – Parts Area	Not Analyzed

Homogeneous Area: G-11 Black and Brown Floor Tile

Homogeneous Area G-11 is the black and brown floor tile located in the parts area storage room. There is approximately 300 SF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-11-01	Parts Area – Storage Room	None Detected
G-11-02	Parts Area – Storage Room	None Detected

Homogeneous Area: G-12 Swirl Pattern Ceiling Surfacing Material

Homogeneous Area G-12 is the swirl pattern ceiling surfacing material located in the parts area office. There is approximately 1700 SF of this friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-12-01	Parts Area – Office	None Detected
G-12-02	Parts Area – Office	None Detected
G-12-03	Parts Area – Office	None Detected



Homogeneous Area: G-13 Dark Brown Vinyl Baseboard & Mastic

Homogeneous Area G-13 is the dark brown vinyl baseboard & mastic located in all offices of the parts area. There is approximately 300 LF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-13-01-A (Baseboard)	Office – Parts Area	None Detected
G-13-01-B (Mastic)	Office – Parts Area	None Detected
G-13-02-A (Baseboard)	Office – Parts Area	None Detected
G-13-02-B (Mastic)	Office – Parts Area	None Detected

Homogeneous Area: G-14 12" X 12" Tan Floor Tile & Mastic

Homogeneous Area G-14 is the 12" X 12" tan floor tile & mastic located in the mens and womens restrooms in the front area of the building. There is approximately 200 SF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-14-01-A (Tile)	Mens Restroom	3 % / Chrysotile
G-14-01-B (Mastic)	Mens Restroom	None Detected
G-14-02-A (Tile)	Womens Restroom	Not Analyzed
G-14-02-B (Mastic)	Womens Restroom	None Detected

Homogeneous Area: G-15 1' X 1' White Ceiling Tile with Hole Pattern

Homogeneous Area G-15 is the 1' X 1' white ceiling tile with hole pattern located in the police storage area office. There is approximately 300 SF of this friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-15-01	Police Storage Area Office	None Detected
G-15-02	Police Storage Area Office	None Detected

ALPHA

Homogeneous Area: G-16 Swirl Pattern Ceiling and Wall Surfacing Material

Homogeneous Area G-16 is the swirl pattern ceiling and wall surfacing material located in the police storage area office. There is approximately 300 SF of this friable material, which is in good condition.

Sample No.	Location	% Asbestos/Type
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G-16-01	Police Storage Area Office	None Detected
G-16-02	Police Storage Area Office	None Detected
G-16-03	Police Storage Area Office	None Detected

Homogeneous Area: G-17 9" X 9" White Floor Tile with Black Streaks & Mastic

Homogeneous Area G-17 is the 9" X 9" white floor tile with black streaks & mastic located under carpet in the police storage area womens restroom. There is approximately 40 SF of this non-friable material, which is in good condition.

Sample No.	Location	% Asbestos/Type
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G-17-01-A (Tile)	Police – Womens Restroom	10 % / Chrysotile
G-17-01-B (Mastic)	Police – Womens Restroom	10 % / Chrysotile
G-17-02-A (Tile)	Police – Womens Restroom	Not Analyzed
G-17-02-B (Mastic)	Police – Womens Restroom	Not Analyzed

Homogeneous Area: G-18 Gray Floor Tile & Mastic (Under-Layer)

Homogeneous Area G-18 is the gray floor tile & mastic (under-layer) located in the exterior courtyard storage area. There is approximately 100 SF of this non-friable material, which is in good condition.

Sample No.	Location	% Asbestos/Type
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G-18-01-A (Tile)	Courtyard Storage Area	8 % / Chrysotile
G-18-01-B (Mastic)	Courtyard Storage Area	15 % / Chrysotile
G-18-02-A (Tile)	Courtyard Storage Area	Not Analyzed
G-18-02-B (Mastic)	Courtyard Storage Area	Not Analyzed

ALPHA

Homogeneous Area: G-19 Black and Gray Floor Tile & Mastic (Top Layer)

Homogeneous Area G-19 is the black and gray floor tile & mastic (top layer) located in the exterior courtyard storage area. There is approximately 100 SF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-19-01-A (Tile)	Courtyard Storage Area	3 % / Chrysotile
G-19-01-B (Mastic)	Courtyard Storage Area	None Detected
G-19-02-A (Tile)	Courtyard Storage Area	Not Analyzed
G-19-02-B (Mastic)	Courtyard Storage Area	None Detected

Homogeneous Area: G-20 Boiler Thermal System Insulation

Homogeneous Area G-20 is the boiler thermal system insulation located in the boiler room of the building. There is approximately 15 LF of this friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-20-01	Boiler Room	20 % / Chrysotile
G-20-02	Boiler Room	Not Analyzed
G-20-03	Boiler Room	Not Analyzed

Homogeneous Area: G-21 Black Coating on Brick Walls

Homogeneous Area G-21 is the black coating on brick walls located in the boiler room of the building. There is approximately 1500 SF of this friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-21-01	Boiler Room	10 % / Chrysotile
G-21-02	Boiler Room	Not Analyzed



Homogeneous Area: G-22 Thermal System Insulation – Boiler Mud

Homogeneous Area G-22 is the thermal system insulation – boiler mud located throughout the top of the boiler in the boiler room of the building. There is approximately 200 SF of this friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-22-01	Boiler Room	25 % / Chrysotile
G-22-02	Boiler Room	Not Analyzed
G-22-03	Boiler Room	Not Analyzed

Homogeneous Area: G-23 Thermal System Insulation – Straight Runs

Homogeneous Area G-23 is the thermal system insulation – straight runs located in the boiler room of the building. There is approximately 25 LF of this friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-23-01	Boiler Room	20 % / Chrysotile
G-23-02	Boiler Room	10 % / Amosite
G-23-03	Boiler Room	Not Analyzed

Homogeneous Area: G-24 Thermal System Insulation – Hard Joints

Homogeneous Area G-24 is the thermal system insulation – hard joints located in the boiler room of the building. There is approximately 2 units of this friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-24-01	Boiler Room	15 % / Chrysotile
G-24-02	Boiler Room	10 % / Amosite
G-24-03	Boiler Room	Not Analyzed

ALPHA

Homogeneous Area: G-25 Silver Paint on Fiberglass Duct Wrap Insulation

Homogeneous Area G-25 is the silver paint on fiberglass duct wrap insulation located on the exterior HVAC system. There is approximately 100 SF of this non-friable material, which is in good condition.

Sample No.	Location	% Asbestos/Type
G-25-01	Exterior HVAC System	5 % / Chrysotile
G-25-02	Exterior HVAC System	Not Analyzed

Homogeneous Area: G-26 Gray Styrofoam Roof Coating

Homogeneous Area G-26 is the gray styrofoam roof coating located on the exterior roof. There is approximately 15,000 SF of this non-friable material, which is in good condition.

Sample No.	Location	% Asbestos/Type
G-26-01	Exterior Roof	None Detected
G-26-02	Exterior Roof	None Detected

Homogeneous Area: G-27 Built-Up Tar and Gravel Roofing Material

Homogeneous Area G-27 is the built-up tar and gravel roofing material located under the foam roof of the parts storage area. There is approximately 5,000 SF of this non-friable material, which is in good condition.

Sample No.	Location	% Asbestos/Type
G-27-01-A (Tar)	Exterior Roof	None Detected
G-27-01-B (Felt)	Exterior Roof	None Detected
G-27-01-C (Brown Fibers)	Exterior Roof	None Detected
G-27-02-A (Tar)	Exterior Roof	None Detected
G-27-02-B (Brown Fibers)	Exterior Roof	None Detected



Homogeneous Area: G-28 Green Asphalt Roll Roofing Shingle

Homogeneous Area G-28 is the green asphalt roll roofing shingle located on the courtyard overhangs. There is approximately 100 SF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-28-01	Courtyard Overhangs	None Detected
G-28-02	Courtyard Overhangs	None Detected

Homogeneous Area: G-29 Exterior Window Caulking (Replacement)

Homogeneous Area G-29 is the exterior window caulking (replacement) located on the windows of the courtyard and storage area. There is approximately 1000 LF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-29-01	Courtyard Windows	None Detected
G-29-02	Courtyard Windows	None Detected

Homogeneous Area: G-30 Gray Paint over Black Roof Flashing

Homogeneous Area G-30 is the gray paint over black roof flashing located on the parpet roofing above the parts office area (5th Street & Grove Street) of the building. There is approximately 250 LF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-30-01	Parts Office Area Roof	5 % / Chrysotile
G-30-02	Parts Office Area Roof	Not Analyzed

Homogeneous Area: G-31 Built-Up Tar and Gravel Roofing Material

Homogeneous Area G-31 is the built-up tar and gravel roofing material located on the roof of the storage area and loading dock. There is approximately 5,000 SF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-31-01-A (Tar)	Exterior Roof	None Detected
G-31-01-B (Felt)	Exterior Roof	None Detected
G-31-02-A (Tar)	Exterior Roof	None Detected
G-31-02-B (Felt)	Exterior Roof	None Detected

Homogeneous Area: G-32 Gray Shingle-Type Flashing

Homogeneous Area G-32 is the gray shingle-type flashing located on the roof of the loading dock. There is approximately 500 SF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-32-01	Parts Office Area Roof	None Detected
G-32-02	Parts Office Area Roof	None Detected

Homogeneous Area: G-33 Silver Gray Mastie

Homogeneous Area G-33 is the silver gray mastie located on penetrations and parapets of the exterior roofs. There is approximately 175 LF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-33-01	Exterior Roof	10 % / Chrysotile
G-33-02	Exterior Roof	Not Analyzed

ALPHA

Homogeneous Area: G-34 Exterior Window Caulking

Homogeneous Area G-34 is the exterior window caulking located on the windows of the side entryway porch. There is approximately 150 LF of this non-friable material, which is in good condition.

<u>Sample No.</u>	<u>Location</u>	<u>% Asbestos/Type</u>
G-34-01	Side Entryway Porch Window	None Detected
G-34-02	Side Entryway Porch Window	None Detected

ALPHA

RECOMMENDATIONS AND REQUIREMENTS

Recommendations are made with a knowledge of how asbestos containing materials are generally handled during a renovation or demolition. Before proceeding with a renovation or demolition of any building or the removal of any asbestos-containing materials, friable or nonfriable, contact the regulatory agency with EPA-NESHAPS authority for the area where the work is to occur.

According to current EPA regulations, asbestos-containing materials (ACM) are any materials containing more than 1% by weight of asbestos of any kind or mixture of types. The disposed asbestos must be placed in a landfill that is accredited to receive these materials. This landfill must be notified of the presence of ACM debris and waste before disposal.

Below are the asbestos-containing materials found:

Homogenous	Area	Asbestos-Containing Material
G-01	9" X 9" Gray Floor Tile with Black Streaks & Mastic	Pipe Thermal System Insulation – Straight Runs
G-04	9" X 9" Gray Floor Tile with Black Streaks & Mastic	Pipe Thermal System Insulation – Hard Joints
G-05		Pipe Thermal System Insulation – Hard Joints
G-07	Gray Painted Cream Square Pattern Linoleum	Gray Painted Cream Square Pattern Linoleum
G-08	Gray Painted Cream Pebble Pattern Linoleum & Mastic	(Linoleum Only)
G-10	12" X 12" Beige Floor Tile with Brown and White Specks	& Mastic (Mastic Only)
G-14	12" X 12" Tan Floor Tile & Mastic (Tile Only)	
G-17	9" X 9" White Floor Tile with Black Streaks & Mastic	Gray Floor Tile & Mastic (Under-Layer)
G-18	Gray Floor Tile & Mastic (Under-Layer)	Black and Gray Floor Tile & Mastic (Top Layer)
G-19	Black and Gray Floor Tile & Mastic (Top Layer)	(Tile Only)
G-20	Boiler Thermal System Insulation	Black Coating on Brick Walls
G-21	Black Coating on Brick Walls	Boiler Thermal System Insulation – Boiler Mud
G-22	Thermal System Insulation – Boiler Mud	Thermal System Insulation – Straight Runs
G-23	Thermal System Insulation – Straight Runs	Thermal System Insulation – Hard Joints
G-24	Thermal System Insulation – Hard Joints	Silver Paint on Fiberglass Duct Wrap Insulation
G-25	Silver Paint on Fiberglass Duct Wrap Insulation	Gray Paint over Black Roof Flashing
G-30	Gray Paint over Black Roof Flashing	Silver Gray Mastic
G-33	Silver Gray Mastic	





Asbestos Inspection
Former Grey Hosiery Mill
Hendersonville, North Carolina

ASBESTOS LABORATORY ANALYSIS SHEETS



Asbestos Inspection
Former Grey Hosiery Mill
Hendersonville, North Carolina

DRAWING



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M14-82-020

NVLAP
NVLAP Lab Code: 200644-0

Client: Alpha Environmental
367 Delwood Road
Suite A-2
Waynesville, NC 28786

Attn: Mike Cook

Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004

Project:

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
G-01-01 - A	tile	8% Chrysotile		92% Other	Gray Non Fibrous Heterogeneous
G-01-01 - B	mastic	15% Chrysotile		85% Other	Black Non Fibrous Heterogeneous
G-01-02 - A	tile	Not Analyzed			
G-01-02 - B	mastic	Not Analyzed			
G-02-01		None Detected	15% Cellulose	85% Other	Brown, White Fibrous Heterogeneous
G-02-02		None Detected	15% Cellulose	85% Other	Brown, White Fibrous Heterogeneous
G-03-01		None Detected		100% Other	White Non Fibrous Heterogeneous
G-03-02		None Detected		100% Other	White Non Fibrous Heterogeneous
400903A6					Crushed

Disclaimer: Due to the nature of the PLM method, asbestos may not be detected in samples containing low levels of asbestos. It is recommended that analysis of floor tiles be conducted by TEM for confirmation of "None Detected" status. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAT. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

Ired Gulley (98)

Analyst

Nathaniel Durham, MTS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M14-82-020



Client: Alpha Environmental
367 Dellwood Road
Suite A-2
Waynesville, NC 28786
Attn: Mike Cook
Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004
Project:

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
G-03-03		None Detected		100% Other	White Non Fibrous Heterogeneous Crushed
G-04-01		40% Chrysotile		60% Other	Gray Fibrous Heterogeneous Teased
G-04-02		Not Analyzed			
G-04-03		Not Analyzed			
G-05-01		20% Chrysotile 5% Amosite		75% Other	White Fibrous Heterogeneous Teased
G-05-02		Not Analyzed			
G-05-03		Not Analyzed			
G-06-01		None Detected		100% Other	Brown Non Fibrous Heterogeneous Crushed
400903A14					

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Ired Gulley (98)

Analyst

Nathaniet Durham, MS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M-82-020

NVLAP
NVLAP Lab Code: 200604-0

Client: Alpha Environmental

367 Dellwood Road

Suite A-2

Waynesville, NC 28786

Project:

Attn: Mike Cook

Lab Order ID: 400903

Date Received: 5/12/2004

Date Reported: 5/12/2004

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
G-06-02		None Detected		100% Other	Brown Non Fibrous Heterogeneous Crushed
G-07-01		10% Chrysotile	5% Cellulose	85% Other	Gray Fibrous Heterogeneous Teased
G-07-02		Not Analyzed			
G-08-01 - A		3% Chrysotile		97% Other	White Non Fibrous Heterogeneous Dissolved
G-08-01 - B		None Detected		100% Other	Brown Non Fibrous Heterogeneous
G-08-02 - B		None Detected		100% Other	Brown Non Fibrous Heterogeneous
G-09-01		None Detected	45% Fiber Glass 45% Cellulose	10% Other	Gray Fibrous Heterogeneous Teased

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Ired Gulley (98)

Analyst

Nathaniel Durham, MTS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M-14-82-020



Client: Alpha Environmental

Attn: Mike Cook

Lab Order ID: 400903

367 Dellwood Road

Suite A-2

Waynesville, NC 28786

Project:

Date Reported: 5/12/2004

Date Received: 5/12/2004

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
G-09-02		None Detected	45% Fiber Glass 45% Cellulose	10% Other	Gray Fibrous Heterogeneous Teased
G-10-01 - A	file	None Detected	5% Cellulose	95% Other	Gray Non Fibrous Heterogeneous Dissolved
G-10-01 - B	muscle	10% Chrysotile	5% Cellulose	85% Other	Black Non Fibrous Heterogeneous
G-10-02 - A	file	None Detected	5% Cellulose	95% Other	Gray Non Fibrous Heterogeneous Dissolved
G-10-02 - B		Not Analyzed			
G-11-01		None Detected		100% Other	Black Non Fibrous Heterogeneous Dissolved
G-11-02		None Detected		100% Other	Black Non Fibrous Heterogeneous Dissolved
G-12-01		None Detected		100% Other	White Non Fibrous Heterogeneous Crushed

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Ired Gully (98)

Analyst

Nathaniel Durham, MTS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M14-82-020

NVLAP
NVLAP Lab Code: 200664-0

Client: Alpha Environmental

Attn: Mike Cook

367 Dellwood Road
Suite A-2
Waynesville, NC 28786

Project:

Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004

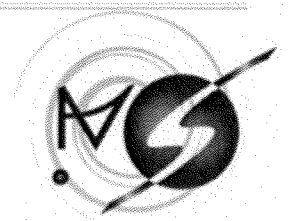
Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
G-12-02		None Detected		100% Other	White Non Fibrous Heterogeneous Crushed
G-12-03		None Detected		100% Other	White Non Fibrous Heterogeneous Crushed
G-13-01 - A		None Detected		100% Other	Black Non Fibrous Heterogeneous Crushed
G-13-01 - B		None Detected		100% Other	Brown Non Fibrous Heterogeneous Crushed
G-13-02 - A		None Detected		100% Other	Black Non Fibrous Heterogeneous Crushed
G-13-02 - B		None Detected		100% Other	Brown Non Fibrous Heterogeneous Crushed
G-14-01 - A		3% Chrysotile		97% Other	White Non Fibrous Heterogeneous Crushed
G-14-01 - B		None Detected		95% Cellulose 5% Other	Black Non Fibrous Heterogeneous Crushed

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Ired Gullely (98)

Analyst

Nathaniel Durham, MS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M14-82-020

NVLAP
NVLAP Lab Code: 200664-0

Client: Alpha Environmental
367 Dellwood Road
Suite A-2
Waynesville, NC 28786

Attn: Mike Cook

Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004

Project:

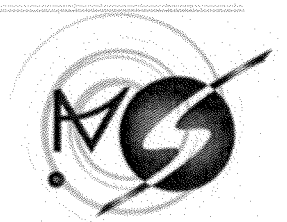
Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
G-14-02 - A	file	Not Analyzed			
G-14-02 - B	mastic	None Detected	5% Cellulose	95% Other	Black Non Fibrous Heterogeneous
G-15-01		None Detected	95% Cellulose	5% Other	Brown Fibrous Heterogeneous
G-15-02		None Detected	90% Cellulose	10% Other	Brown Fibrous Heterogeneous
G-16-01		None Detected		100% Other	White Non Fibrous Heterogeneous
G-16-02		None Detected		100% Other	White Non Fibrous Heterogeneous
G-16-03		None Detected		100% Other	White Non Fibrous Heterogeneous
G-17-01 - A	file	10% Chrysotile		90% Other	White Non Fibrous Heterogeneous
400903A38					Dissolved

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Analyst

Nathaniet Durham, MS or Approved Signatory



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M14-82-020

NVLAP
NVLAP Lab Code: 200664-0

Client: Alpha Environmental
367 Dellwood Road
Suite A-2
Waynesville, NC 28786

Attn: Mike Cook

Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004

Project:

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
G-17-01 - B	400903A88	10% Chrysotile	5% Cellulose	85% Other	Black Non Fibrous Heterogeneous Dissolved
G-17-02 - A	400903A39	Not Analyzed			
G-17-02 - B	400903A89	Not Analyzed			
H-18-01 - A	400903A40	8% Chrysotile		92% Other	Gray Non Fibrous Heterogeneous Dissolved
H-18-01 - B	400903A90	15% Chrysotile		85% Other	Black Non Fibrous Heterogeneous Dissolved
H-18-02 - A	400903A41	Not Analyzed			
H-18-02 - B	400903A91	Not Analyzed			
H-19-01 - A	400903A42	3% Chrysotile		97% Other	Brown Non Fibrous Heterogeneous Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M-4-82-020

NVLAP
NVLAP Lab Code: 200604-0

Client: Alpha Environmental

Attn: Mike Cook

367 Dellwood Road
Suite A-2
Waynesville, NC 28786

Project:

Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
H-19-01 - B	mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
G-19-02 - A	tile	Not Analyzed			
G-19-02 - B		None Detected		100% Other	Gray Non Fibrous Heterogeneous
G-19-02 - B	mastic	None Detected			Dissolved
G-20-01		20% Chrysotile		80% Other	Brown Fibrous Heterogeneous
G-20-02		Not Analyzed			Teased
G-20-03		Not Analyzed			
G-21-01		10% Chrysotile		90% Other	Brown Fibrous Heterogeneous
G-21-02		Not Analyzed			Teased
G-21-02		Not Analyzed			
400903A48		Not Analyzed			

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Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M14-82-020



Client: Alpha Environmental
367 Dellwood Road
Suite A-2
Waynesville, NC 28786

Attn: Mike Cook

Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004

Project:

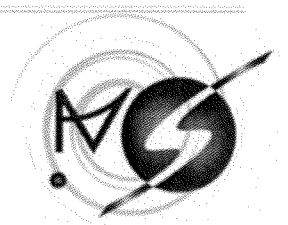
Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
G-22-01		25% Chrysotile		75% Other	Gray Fibrous Heterogeneous Teased
G-22-02		Not Analyzed			
G-22-03		Not Analyzed			
G-23-01		20% Chrysotile 10% Amosite		70% Other	White Fibrous Heterogeneous Teased
G-23-02		Not Analyzed			
G-23-03		Not Analyzed			
G-24-01		15% Amosite 10% Chrysotile		75% Other	White Fibrous Heterogeneous Teased
G-24-02		Not Analyzed			
400903A56					

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M-82-020

NVLAP
NVLAP Lab Code: 280664-0

Client: Alpha Environmental
367 Dellwood Road
Suite A-2
Waynesville, NC 28786

Attn: Mike Cook

Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004

Project:

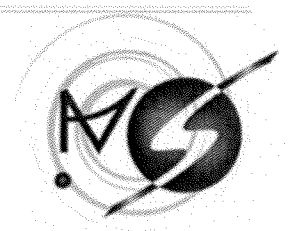
Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
G-24-03		Not Analyzed			
400903A57					
G-25-01		5% Chrysotile	15% Fiber Glass	80% Other	Silver Fibrous Heterogeneous
400903A58					Dissolved
G-25-02		Not Analyzed			
400903A59					
G-26-01		None Detected		100% Other	Gray Non Fibrous Heterogeneous
400903A60					Dissolved
G-26-02		None Detected		100% Other	Gray Non Fibrous Heterogeneous
400903A61		None Detected			Dissolved
G-27-01 - A		None Detected	5% Fiber Glass	95% Other	Black Non Fibrous Heterogeneous
400903A62	tar				Dissolved
G-27-01 - B		None Detected	60% Cellulose	40% Other	Black Fibrous Heterogeneous
400903A94	felt				Teased
G-27-01 - C		None Detected	90% Cellulose	10% Other	Brown Fibrous Heterogeneous
400903A95	brown fibers				Teased

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M14-82-020

NVLAP
NVLAP Lab Code: 200664-0

Client: Alpha Environmental

Attn: Mike Cook

367 Dellwood Road
Suite A-2
Waynesville, NC 28786

Project:

Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
G-27-02 - A	tar	None Detected	100% Other	Black Non Fibrous Heterogeneous	Black Non Fibrous Heterogeneous
G-27-02 - B	brown fibers	None Detected	95% Cellulose 5% Other	5% Other	Brown Fibrous Heterogeneous
G-28-01		None Detected	40% Cellulose 60% Other	60% Other	Black, Green Fibrous Heterogeneous
G-28-02		None Detected	40% Cellulose 60% Other	60% Other	Black, Green Fibrous Heterogeneous
G-29-01		None Detected	100% Other	100% Other	White Non Fibrous Heterogeneous
G-29-02		None Detected	100% Other	100% Other	Brown Non Fibrous Heterogeneous
G-30-01		5% Chrysotile	15% Fiber Glass 80% Other	80% Other	Gray, Black Fibrous Heterogeneous
G-30-02		Not Analyzed			Dissoved

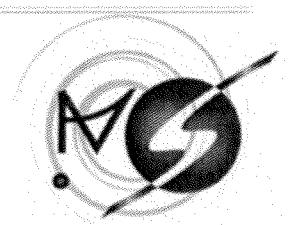
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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M-14-82-020



Client: Alpha Environmental
367 Dellwood Road
Suite A-2
Waynesville, NC 28786

Attn: Mike Cook

Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004

Project:

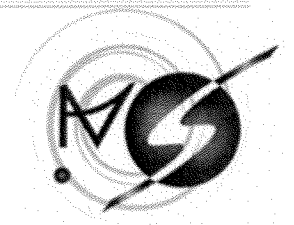
Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
G-31-01 - A	tar	None Detected	10% Fiber Glass	90% Other	Black Fibrous Heterogeneous Dissolved
G-31-01 - B	felt	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous Teased
G-31-02 - A	tar	None Detected	10% Fiber Glass	90% Other	Black Fibrous Heterogeneous Dissolved
G-31-02 - B	felt	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous Teased
G-32-01		None Detected	25% Cellulose	75% Other	White, Black Fibrous Heterogeneous Teased
G-32-02		None Detected	25% Cellulose	75% Other	White, Black Fibrous Heterogeneous Teased
G-33-01		10% Chrysotile		90% Other	Gray, Black Fibrous Heterogeneous Dissolved
G-33-02		Not Analyzed			
400903A75					

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M14-82-020



Client: Alpha Environmental
367 Dellwood Road
Suite A-2
Waynesville, NC 28786
Project:
Lab Order ID: 400903
Date Received: 5/12/2004
Date Reported: 5/12/2004
Attn: Mike Cook

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes	Treatment
G-34-01		None Detected		100% Other	Brown Non Fibrous Heterogeneous	Crushed
400903A76					Brown Non Fibrous Heterogeneous	Crushed
G-34-02		None Detected		100% Other	Brown Non Fibrous Heterogeneous	Crushed
400903A77					Brown Non Fibrous Heterogeneous	Crushed

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