



December 28, 2011

Newberry County
1309 College Street
Newberry, South Carolina 29108

Attention: Ms. Crystal Waldrop

Reference: Hazardous Materials Survey Report - Addendum
Newberry Square Shopping Center
1824-1872 Wilson Road
Newberry, South Carolina
S&ME Project No. 1614-11-473


Dear Ms. Waldrop:

S&ME, Inc. (S&ME) is pleased to provide the enclosed addendum to our report dated November 18, 2011 detailing our Hazardous Materials Survey of the Newberry Square Shopping Center located at 1824-1872 Wilson Road in Newberry, South Carolina. Our original services included an asbestos and lead-based paint survey as well as visual screening for hazardous materials in the form of polychlorinated biphenyl (PCB) containing light ballasts, fluorescent lighting fixtures and other potentially hazardous materials. The work was performed in general accordance with S&ME Proposal No. 1614-8415-11, dated October 18, 2011. The additional sampling detailed in this addendum was performed in general accordance with S&ME Proposal No. 1614-8500-11, dated December 8, 2011. The enclosed addendum includes an executive summary, project background, investigative procedures, findings and results, and conclusions and recommendations for the proper treatment of the identified hazardous materials.

This report is provided for the use of Newberry County. Use of this report by any other parties will be at such party's sole risk and S&ME, Inc. disclaims liability for any such use or reliance by third parties. The results presented in this report are indicative of conditions only during the time of the assessment and of the specific areas referenced. The information provided in this assessment report should not be used as a bidding document, and building conditions and asbestos quantities should be verified by contractors bidding on asbestos removal.

We appreciate the opportunity to provide you with our industrial hygiene/environmental services. If you have any questions concerning this report, please call us at (803) 561-9024.

Sincerely,
S&ME, Inc.



Owen Astwood, P.G.
Project Manager
Asbestos Building Inspector
(SCDHEC License No. BI-00475)



Tom Behnke, P.G., CHMM
Environmental Department Manager
Asbestos Management Planner
(SCDHEC License No. MP-00004)

HAZARDOUS MATERIALS
SURVEY REPORT ADDENDUM

NEWBERRY SQUARE
1824-1872 WILSON ROAD
NEWBERRY, SOUTH CAROLINA
S&ME Project No. 1614-11-473

Prepared For:

Newberry County
1309 College Street
Newberry, South Carolina 29108
(803) 321-1420

Inspection Performed By:

Owen Astwood, P.G.
SCDHEC Lic. #BI-00475
December 9, 2011

Prepared By:



134 Suber Road
Columbia, South Carolina 29210
(803) 561-9024

December 28, 2011

TABLE OF CONTENTS

EXECUTIVE SUMMARY..... 1

1. BACKGROUND..... 2

 1.1 Asbestos Survey..... 2

2. ASBESTOS SURVEY..... 3

 2.1 Investigative Procedures..... 3

 2.2 Findings and Results 3

 2.3 Abbreviations and Hazard Assessment Key 6

3. CONCLUSIONS AND RECOMMENDATIONS..... 7

APPENDICES

APPENDIX I	PHOTOGRAPHS
APPENDIX II	ASBESTOS BULK SAMPLE ANALYSIS SHEETS AND CHAIN OF CUSTODY RECORDS
APPENDIX III	COPY OF SCDHEC INSPECTOR LICENSE

EXECUTIVE SUMMARY

Additional asbestos sampling was performed on December 9, 2011 of the Newberry Square Shopping Center stores located at 1824-1872 Wilson Road in Newberry, Newberry County, South Carolina. At the direction of the client, the additional asbestos sampling focused specifically on the roofing systems on the stores located between the former Wal-Mart and the former Winn-Dixie. The survey did not include the adjoining stores or any equipment located on the roof.

The subject building is a single-story retail center that is divided into retail stores. The building was constructed in the early 1980s and has a total interior area of approximately 21,500 square feet. At the time of the survey and assessment, the shopping center was divided into nine stores which were all vacant. The building is masonry block and metal frame on a concrete slab foundation.

Under the direction of Mr. Ervin West with Newberry County, samples were collected from the roof of the building.

Asbestos

The asbestos assessment included the bulk sampling and analysis of suspect roofing materials. The suspect materials included: built-up bituminous roofing, roofing insulation, silver paint and bituminous flashing. Of the representative materials sampled and analyzed during this assessment, asbestos in concentrations greater than one percent (>1%) was detected in the following materials:

Summary of Confirmed ACMs

Material	Location	Asbestos Type	Percent	Condition	P.F.D.	*Approx. Quantity
Silver Paint	Front parapet & under A/C units	Chrysotile	2%	Good, Non-friable	SPD	950 SF

SF = square feet

PFD = potential for disturbance

SPD = significant potential for disturbance

*Note: The quantities are estimated and should not be used for bidding purposes; field verification must be performed.

The identified asbestos-containing material is considered to have a significant potential for disturbance based on the planned scope of renovations. No asbestos in concentrations >1% was detected in the remaining samples of suspect materials collected from the building's roof.

1. BACKGROUND

S&ME, Inc. (S&ME) was contracted to perform an asbestos, lead-based paint and hazardous materials survey of nine stores in the Newberry Square shopping center located at 1824-1872 Wilson Road in Newberry, Newberry County, South Carolina. Our services included a visual screening for hazardous materials in the form of polychlorinated biphenyls (PCB) containing light ballasts, fluorescent lighting fixtures and other potentially hazardous materials. The work was conducted in accordance with our proposal number 1614-8415-11, dated October 18, 2011. The findings of the survey were presented in the S&ME report titled “Hazardous Materials Survey Report, Newberry Square Shopping Center” dated November 18, 2011 (S&ME Project No. 1614-11-473).

The original survey did not include the roofing system of the stores. It is our understanding that the scheduled renovations will now disturb the roof. Consequently, S&ME re-mobilized to the site on December 9, 2011 to collect bulk samples from the building’s roofing system. The work was performed in general accordance with S&ME Proposal No. 1614-8500-11, dated December 8, 2011.

The subject building consists of nine contiguous stores located between the former Winn-Dixie and former Wal-Mart stores in the Newberry Square Shopping Center. The subject stores have the street addresses of 1824 through 1872 Wilson Road in Newberry, South Carolina. The building was constructed in the 1980s and has a total interior area of approximately 21,500 square feet. The building has been divided into nine separate units. The building is a single story masonry block and metal frame structure on a concrete slab foundation.

1.1 Asbestos Survey

The asbestos survey was performed to identify and sample suspect ACMs in accordance with regulatory requirements for structures scheduled to be renovated or demolished. The identification of ACMs will aid in the prevention of occupational exposures and/or environmental releases of airborne asbestos. Identification of ACMs also complies with Title 40 Code of the Federal Regulations, part 61, and State Regulation 61-86.1 enforced by the SCDHEC, along with Title 29 Code of Federal Regulations, part 1926 enforced by OSHA.

The following sections describe the assessment procedures used, results of the suspect ACMs sampled and analyzed, confirmed ACMs located in the structure, and conclusions and recommendations regarding the subject units as related to ACMs.

2. ASBESTOS SURVEY

2.1 Investigative Procedures

The asbestos survey was performed by observing and collecting statistically-random samples of suspect asbestos-containing materials from the structure. At the direction of the client, the survey focused exclusively on the roofing system of the smaller stores and did not include the former Winn-Dixie building and the former Wal-Mart building. If additional suspect materials are discovered during future renovation or demolition activities, bulk samples should be collected and analyzed for asbestos content.

A sampling strategy was developed to provide representative samples of suspect materials in accordance with OSHA, SCDHEC and EPA. Bulk samples were then extracted from suspect ACMs and recorded on a chain of custody record and submitted to *EMSL Analytical's* Polarized Light Microscopy (PLM) laboratory in Charlotte, North Carolina. Non-friable, organically bound materials requiring confirmation by Transmission Electron Microscopy (TEM) were also analyzed by *EMSL Analytical*. The laboratories are accredited by the National Voluntary Laboratory Accreditation Program (NVLAP), which is administered by the National Institute of Standards and Technology.

Polarized Light Microscopy (PLM)

The suspect materials were analyzed by trained microscopists using PLM techniques coupled with dispersion staining in accordance with EPA Test Method Title 40 Code of Federal Regulations, Chapter I (1-1-87 edition), Part 763, Subpart F-APPENDIX A. This method identifies asbestos mineral fibers based on six optical characteristics: morphology, birefringence, refractive index, extinction angle, sign of elongation and dispersion staining colors. The laboratory analysis reports the specific type of asbestos identified (there are six asbestos minerals) and the percentage of asbestos present.

Transmission Electron Microscopy (TEM)

Suspect non-friable organically bound materials (NOBs), exhibiting negative results by PLM analysis, were analyzed by trained microscopists by TEM using EPA 600 Method in accordance with ASTM E2356.

2.2 Findings and Results

The asbestos survey conducted on December 9, 2011 included the quantification and statistically-random bulk sampling of various suspect asbestos-containing materials associated with the building's roofing system. These suspect materials include: bituminous roofing, silver paint and bituminous flashing. Of the representative materials sampled and analyzed during this assessment, asbestos in concentrations >1% was identified in the following materials summarized below.

Summary of Confirmed ACMs

Material	Location	Asbestos Type	Percent	Condition	P.F.D.	*Approx. Quantity
Silver Paint	Front parapet & under A/C units	Chrysotile	2%	Good, Non-friable	SPD	950 SF

SF = square feet PFD = potential for disturbance SPD = significant potential for disturbance
 *Note: The quantities are estimated and should not be used for bidding purposes; field verification must be performed.

The EPA classifies ACMs into two categories: friable and non-friable. A friable material creates a greater health hazard due to the fact that it may be "crumbled, pulverized or reduced to powder by the forces expected to act upon it in the course of demolition or renovation operations." The identified asbestos-containing silver paint is classified as a Category I non-friable material in good condition. The identified asbestos-containing material is considered to have a significant potential for disturbance based on the scope of the planned renovations. No asbestos in concentrations >1% was detected in the remaining samples of suspect materials collected from the building's roof system.

TEM analysis was performed on one sample of each of the non-friable, organically-bound materials that tested negative for asbestos by PLM analysis. These materials are:

- Bituminous roofing
- Bituminous flashing (from under the silver paint)
- Newer bituminous flashing (Stores 1848 & 1852)

The TEM analysis identified the presence of chrysotile asbestos in the samples of the bituminous roofing and older flashing. Both materials were reported to have a chrysotile concentration of <0.25%. The TEM analysis confirmed that no asbestos is present in the remaining sample that was analyzed.

The following summary table exhibits the sample number, location, type of material tested, approximate quantity of the material sampled, condition of the material, and corresponding result for each sample. Photographs of building conditions and select ACMs are included in Appendix I. A copy of the laboratory analyses reports and chain-of-custody records are provided in Appendix II. A copy of the inspector's SCDHEC license is provided in Appendix IV.

TABLE I: SUMMARY OF ASBESTOS BULK SAMPLE ANALYSIS

POLARIZED LIGHT MICROSCOPY								
Sample No.	Sample Location	Material	Approx. Quantity ¹	Asbestos Type	% ²	Condition	P.F.D. ³	H.A. ⁴
R-1	Store 1824	Bituminous roofing Insulation	21,000 SF	ND ND	NA NA	NA	NA	NA
R-2	Store 1852	Bituminous roofing Insulation		ND ND	NA NA	NA	NA	NA
R-3 (TEM)	Store 1872	Bituminous roofing		Chrysotile	<0.25	NA	NA	NA
RF-1	Front parapet, Store 1836	Silver Paint Bituminous flashing	950 SF	Chrysotile ND	2% NA	Good, NF	SPD	3
RF-2	Under A/C Unit, Store 1848	Silver Paint Bituminous flashing		Chrysotile ND	2% NA	Good, NF	SPD	3
RF-3 (TEM)	Front parapet, Store 1872	Bituminous Flashing		Chrysotile	<0.25	NA	NA	NA
RF-4	Front parapet, Store 1848	Bituminous Flashing Silver paint	150 SF	ND ND	NA NA	NA	NA	NA
RF-5	Front parapet, Store 1848	Bituminous Flashing		ND	NA	NA	NA	NA
RF-6 (TEM)	Front parapet, Store 1852	Bituminous Flashing		ND	NA	NA	NA	NA

ND = No Asbestos Detected
 NF = Non-friable

NA = Not Applicable
 SPD = Significant Potential for Disturbance

SF = square feet

¹ The quantities are estimated and should not be used for bidding purposes, as field conditions should be verified.

² The EPA, SCDHEC and OSHA defines a material as asbestos-containing if an asbestos content greater than one percent (>1%) is detected in a representative sample.

³ P.F.D. = Potential for Disturbance

⁴ H.A. = Hazard Assessment

2.3 Abbreviations and Hazard Assessment Key

In accordance with the EPA and SCDHEC, a confirmed ACM is assigned a hazard assessment based on its present condition and potential for disturbance. The hazard assessment is used as a tool for prioritization in remedial actions regarding the identified ACM(s). The following key exhibits the criteria that compose the hazard assessment.

Present Condition

F = Friable

NF = Non-friable

G = Good (Very localized limited damage)

D = Damaged (Damage of less than 10% distributed and less than 25% localized)

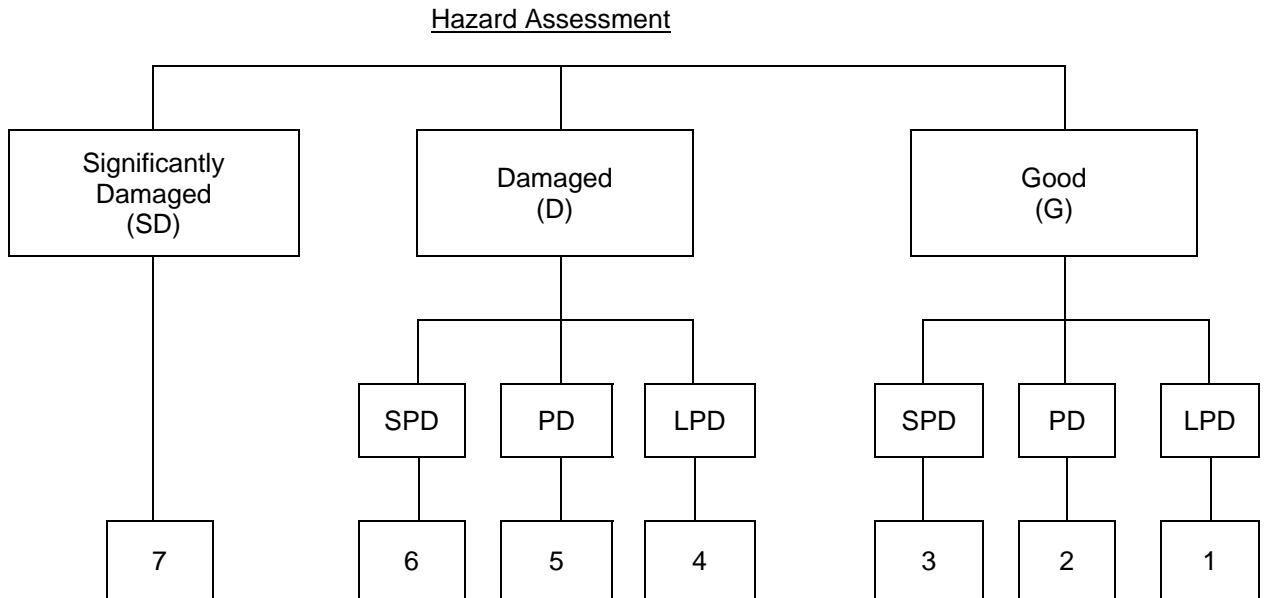
SD = Significantly Damaged (Damage equal to or greater than 10% distributed, 25% localized)

Potential for Future Disturbance

LPD = Low Potential for Disturbance (Contact, Vibration, and Air Erosion all of Low Concern)

PD = Potential for Disturbance (Contact, Vibration, or Air Erosion of Moderate Concern)

SPD = Significant Potential for Disturbance (Contact, Vibration, or Air Erosion of High Concern)



3. CONCLUSIONS AND RECOMMENDATIONS

The additional asbestos sampling conducted at Newberry Square Shopping Center stores located at 1824-1872 Wilson Road in Newberry, Newberry County, South Carolina identified the presence of asbestos-containing materials associated with the roofing system as follows:

- *Silver Paint* (2% chrysotile) located on the bituminous flashing on the front parapet of Stores 1824 through 1844 and Stores 1856 through 1872. The silver paint is also present on the bituminous flashing under the roof-mounted air conditioning units. The estimated quantity is approximately 950 square feet – Refer to Photographs 3, 4, 6 & 7.

The EPA and SCDHEC require proper removal and disposal of ACMs that will be destructively affected by demolition activities, therefore we recommend the identified ACMs be properly removed and disposed by a qualified contractor licensed by SCDHEC, Asbestos Section, prior to the future renovation or demolition activities. If additional suspect materials are discovered during the planned renovation activities, bulk samples must be collected by a SCDHEC licensed Inspector or Management Planner and analyzed for asbestos content.

A copy of this assessment report must be submitted to SCDHEC, along with an application for demolition, 10 weekdays prior to demolition activities.

APPENDIX I

PHOTOGRAPHS



1 The subject building as seen looking roughly north from Wilson Road. The assessment did not include the former Winn-Dixie or Wal-Mart stores located at either end of the shopping center.



2 The roof of the former Cato Store (Store 1824).



3 The silver paint located on the front parapet of most of the Stores tested positive for asbestos (2% chrysotile).



4 The roof over Stores 1840 and 1844. The silver paint located at the base of the A/C units tested positive for asbestos (2% chrysotile).



5 The roof over Stores 1848 and 1852. The black flashing on the front parapet of these stores did not test positive for asbestos.



6 The roofing system over Stores 1856 through 1872. The silver paint located on the front parapet and under the A/C units tested positive for asbestos (2% chrysotile).



7 The roof and parapet at the front of Store 1872. The silver paint located on the front parapet tested positive for asbestos (2% chrysotile).

APPENDIX II

**ASBESTOS BULK SAMPLE ANALYSIS SHEETS AND CHAIN OF
CUSTODY RECORDS**



EMSL Analytical, Inc.

376 Crompton Street, Charlotte, NC 28273

Phone: (704) 525-2205 Fax: (704) 525-2382 Email: charlottelab@emsl.com

Attn: **Owen Astwood**
S&ME, Inc.
134 Suber Rd.
Columbia, SC 29210

Customer ID: S&ME50
Customer PO: 1614-11-473PhA
Received: 12/12/11 10:15 AM
EMSL Order: 411103945

Fax: (803) 561-9177 Phone: (803) 561-9024
Project: **Newberry Square**

EMSL Proj:
Analysis Date: 12/14/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
R-1-Roofing 411103945-0001	Roofing & Sub-Roof- Over Cato	Black Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
R-1-Insulation 411103945-0001A	Roofing & Sub-Roof- Over Cato	Tan Fibrous Heterogeneous	40% Cellulose 5% Glass	55% Non-fibrous (other)	None Detected
R-2-Roofing 411103945-0002	Roofing & Sub-Roof- Over Corner Store	Black Fibrous Heterogeneous	10% Cellulose	90% Non-fibrous (other)	None Detected
R-2-Insulation 411103945-0002A	Roofing & Sub-Roof- Over Corner Store	Brown Fibrous Heterogeneous	40% Cellulose 2% Glass	58% Non-fibrous (other)	None Detected
RF-1-Silver Paint 411103945-0003	Bit. Flashing w/ Silver Sealant- Front 1836	Silver Fibrous Heterogeneous		98% Non-fibrous (other)	2% Chrysotile
RF-1-Flashing 411103945-0003A	Bit. Flashing w/ Silver Sealant- Front 1836	Black Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
RF-2-Silver Paint 411103945-0004	Bit. Flashing w/ Silver Sealant- A/C Unit 1848	Silver Non-Fibrous Heterogeneous	1% Cellulose	97% Non-fibrous (other)	2% Chrysotile

Initial report from 12/15/2011 09:29:01

Analyst(s) _____

Christopher Estes (5)
Greg Medlin (6)

Lee Plumley, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.
Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312, WV LT000325



EMSL Analytical, Inc.

376 Crompton Street, Charlotte, NC 28273

Phone: (704) 525-2205 Fax: (704) 525-2382 Email: charlottelab@emsl.com

Attn: **Owen Astwood**
S&ME, Inc.
134 Suber Rd.
Columbia, SC 29210

Customer ID: S&ME50
Customer PO: 1614-11-473PhA
Received: 12/12/11 10:15 AM
EMSL Order: 411103945

Fax: (803) 561-9177 Phone: (803) 561-9024
Project: **Newberry Square**

EMSL Proj:
Analysis Date: 12/14/2011

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
RF-2-Flashing 411103945-0004A	Bit. Flashing w/ Silver Sealant- A/C Unit 1848	Black Fibrous Heterogeneous	2% Cellulose	98% Non-fibrous (other)	None Detected
RF-4-Black Flashing 411103945-0005	New Front Flashing	Black Fibrous Heterogeneous	5% Cellulose 5% Glass	90% Non-fibrous (other)	None Detected
RF-4-Silver Paint 411103945-0005A	New Front Flashing	Silver Fibrous Heterogeneous	2% Glass	98% Non-fibrous (other)	None Detected
RF-5-Black Flashing 411103945-0006	New Front Flashing	Black Fibrous Heterogeneous	5% Synthetic 2% Cellulose	93% Non-fibrous (other)	None Detected

No Silver Paint Present

Initial report from 12/15/2011 09:29:01

Analyst(s)

Christopher Estes (5)
Greg Medlin (6)

Lee Plumley, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request.
Samples analyzed by EMSL Analytical, Inc. Charlotte, NC NVLAP Lab Code 200841-0, VA 3333 00312, WV LT000325



EMSL Analytical, Inc.

376 Crompton Street, Charlotte, NC 28273

Phone: (704) 525-2205 Fax: (704) 525-2382 Email: charlottelab@emsl.com

Attn: **Owen Astwood**
S&ME, Inc.
134 Suber Rd.
Columbia, SC 29210

Customer ID: S&ME50
Customer PO: 1614-11-473PhA
Received: 12/15/11 10:15 AM
EMSL Order: 411103945

Fax: (803) 561-9177 Phone: (803) 561-9024
Project: **Newberry Square**

EMSL Proj:
Analysis Date: 12/19/2011

**Test Report: Asbestos Analysis of Non-Friable Organically Bound Materials by TEM
via EPA/600/R-93/116 Section 2.5.5.1**

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% NON-ASBESTOS FIBERS	ASBESTOS TYPES
R-3-Roofing 411103945-0007	Roof & Sub-Roof- Over Front of Shoe Show	Black Fibrous Heterogeneous	100	<0.25 Fibrous (other)	<0.25% Chrysotile
RF-3-Flashing 411103945-0008	Bit. Flasing w/Silver Sealant- Front Shoe Show	Black Fibrous Heterogeneous	99.9	None	<0.25% Chrysotile
RF-6-Black Flashing 411103945-0009	New Front Flashing	Black Fibrous Heterogeneous	99.8	<0.25 Fibrous (other)	No Asbestos Detected

Initial report from 12/15/2011 09:29:01

Analyst(s) _____

Lee Plumley (3)

Lee Plumley, Laboratory Manager
or other approved signatory

This laboratory is not responsible for % asbestos in total sample when the residue only is submitted for analysis. The above report relates only to the items tested. This report may not be reproduced, except in full, without written approval by EMSL Analytical, Inc. Samples received in good condition unless otherwise noted.
Samples analyzed by EMSL Analytical, Inc. Charlotte, NC



Asbestos Lab Services Chain of Custody

EMSL Order Number (Lab Use Only):

11103945

Charlotte, NC
 376 Crompton Street
 Charlotte, NC 28273
 PHONE: (704) 525-2205
 FAX: (704) 525 2382

Company: S&ME, Inc.
 Street: 134 Suber Road
 City/State/Zip: Columbia, SC 29210
 Report To (Name): Owen Astwood
 Telephone: 803-561-9024
 Project Name/Number: NEWBERRY SQUARE
 Please Provide Results: Email Purchase Order: 1614-11-473 Ph.A State Samples Taken: SC

EMSL-Bill to: Same Different
 If Bill to is Different note instructions in Comments**
 Third Party Billing requires written authorization from third party

Fax: 803-561-9177
 Email Address: oastwood@smeinc.com

Turnaround Time (TAT) Options* - Please Check
 3 Hour 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air Check if samples are from NY
 NIOSH 7400
 w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
 PLM EPA 600/R-93/116 (<1%)
 PLM EPA NOB (<1%)
 Point Count
 400 (<0.25%) 1000 (<0.1%)
 Point Count w/Gravimetric
 400 (<0.25%) 1000 (<0.1%)
 NYS 198.1 (friable in NY)
 NYS 198.6 NOB (non-friable-NY)
 NIOSH 9002 (<1%)

TEM - Air 4-4.5hr TAT (AHERA only)
 AHERA 40 CFR, Part 763
 NIOSH 7402
 EPA Level II
 ISO 10312

TEM - Bulk
 TEM EPA NOB
 NYS NOB 198.4 (non-friable-NY)
 Chatfield SOP
 TEM Mass Analysis-EPA 600 sec. 2.5

TEM - Water: EPA 100.2
 Fibers >10µm Waste Drinking
 All Fiber Sizes Waste Drinking

TEM - Dust
 Microvac - ASTM D 5755
 Wipe - ASTM D6480
 Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite
 PLM CARB 435 - A (0.25% sensitivity)
 PLM CARB 435 - B (0.1% sensitivity)
 TEM CARB 435 - B (0.1% sensitivity)
 TEM CARB 435 - C (0.01% sensitivity)
 EPA Protocol (Semi-Quantitative)
 EPA Protocol (Quantitative)

Other:

Check For Positive Stop - Clearly Identify Homogenous Group Filter Pore Size (Air Samples): 0.8µm 0.45µm

Samplers Name: OWEN ASTWOOD Samplers Signature: [Signature]

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
R-1	Roofing + sub-roof - over Cato	} N.O.B.	12/9
2	" " - over corner store		
3	" " - over front of shoe show		
RF-1	Bit. Flashing w/ silver sealant - front 1836	} N.O.B.	↓
2	" " " " - A/C unit 1848		
3	" " " " - front shoe show		

Client Sample # (s): _____ Total # of Samples: 9

Relinquished (Client): [Signature] Date: 12/9/11 Time: 1230 → UPS

Received (Lab): CP Date: 12-12 Time: 10:15

Comments/Special Instructions: N.O.B. = 2 PLM nad 1 TEM if both PLM are negative

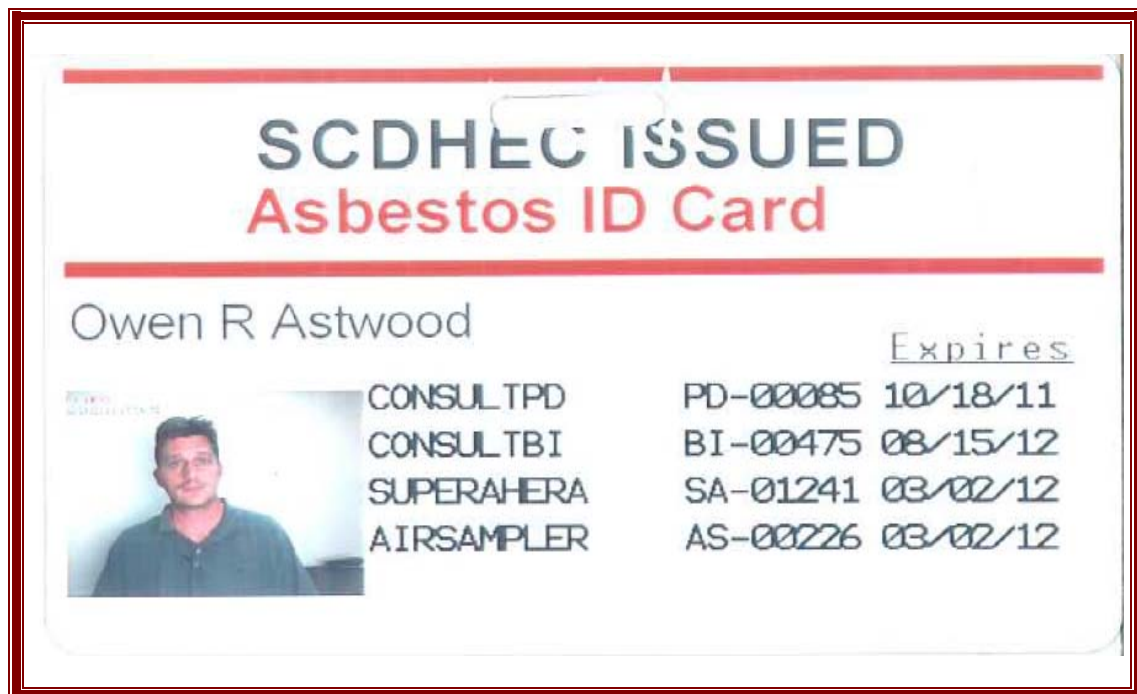
APPENDIX III

COPY OF SCDHEC INSPECTOR LICENSE



South Carolina Department
of
Health and Environmental Control
Asbestos License

Owen R. Astwood



Air Sampler AS-00226
Building Inspector BI-00475
Project Designer PD-00085
Asbestos Supervisor SA-01241