

Asbestos Inspection

Suitland Shopping Center
4646 and 4670 Suitland Road
Suitland, MD 20746

ON SITE DATES: FEBRUARY 28TH, TO MARCH 2ND, 2017

REPORT DATE: MARCH 9TH, 2017



Prepared For:

Prince Georges County - Redevelopment Authority
9200 Basil Court - Suite 504
Largo, MD 20774

Attention:
Ms. Patricia Omondi

Prepared By:

William Ciancaglini
Chief Financial Officer/Project Manager
One Source Environmental, LLC
29485 Whalen Road
Charlotte Hall, MD 20622

OSE Project #134-004 ACM

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1. Certification

One Source Environmental, LLC (OSE) has completed an asbestos inspection of 4646 and 4670 Suitland Road Suitland, MD 20746. The inspection was performed at the Client's request using the methods and procedures consistent with good commercial and customary practice designed to conform to applicable industry standards, regulations and guidelines as follows:

- 1) The National Emissions Standard for Hazardous Air Pollutants (NESHAP)
- 2) Occupational Safety and Health Administration (OSHA) Regulations and Guidelines
- 3) Environmental Protection Agency (EPA) Regulations and Guidelines
- 4) The Asbestos Hazard Emergency Response Act (AHERA)
- 5) The Asbestos School Hazard Reauthorization Act (ASHARA)
- 6) Maryland Department of the Environment (MDE) Regulations

The independent conclusions represent our professional judgment based on information and data available to us during the course of this project. Factual information regarding operations, conditions, and test data provided by the Client or their representative has been assumed to be correct and complete. The conclusions presented are based on the data provided, observations, and conditions that existed on the dates of the on-site activities.

If you have any questions regarding this report, please contact William Ciancaglini at (240) 286-2601.

Prepared by:



William Ciancaglini
Chief Financial Officer/Project Manager
One Source Environmental, LLC
billciancaglini@onesourceenvironmental.com

2. Executive Summary

OSE conducted on-site Asbestos Inspection of the Project Site from February 28th to March 2nd, 2017. The inspection consisted of a walk-through observation of the accessible areas and discussion with facility personnel. The Asbestos Inspection work was performed prior to planned demolition activities at the site. On-site activities were performed by William Ciancaglini and Dharam Kissoondath, who are MDE and AHERA certified Asbestos Inspectors – See Appendix D for copies of relevant certifications.

The following is a summary of findings and recommendations:

- **There was friable (can be reduced to powder by hand pressure when dry) Asbestos Containing Materials (ACMs) identified at the property in the form of pipe insulations in the Basement of 4646 and damaged Joint Compound located throughout 4670.**
- **Non-friable ACM was identified at the site in the form of 9”x9” Vinyl Flooring Tile and Associated Black Mastic throughout the first floor of 4646. Black Tar on fiberglass insulation and Cement Wallboard in the Basement of 4646, and Roofing Materials on the roof of both spaces.**
- Any ACM that may be rendered friable during demolition activities should be removed by an MDE accredited Asbestos Abatement Contractor using MDE accredited personnel prior to performing such activities. Any abatement work should be overseen by a reputable and qualified Asbestos Project Monitor. Work Plans/Specifications for the work to be performed should be prepared by an AHERA and MDE certified Asbestos Project Designer.

Note: MDE may allow for the demolition of buildings with non-friable materials like flooring mastic and roofing materials if the demolition will not render them friable or create visible emissions. In order to demolish a Building with ACM the demolition contractor must provide means and methods that will not create visible emissions. A variance from MDE will be required. These variances are issued on a case by case basis.

3. Inspection Scope and Sampling Results

The inspection was conducted at the request of the Client for the purpose of identifying ACM throughout the Project site prior to planned demolition. The spaces were vacant at the time of the inspection.

3.1 Limitations to the ACM Inspection

Specific areas to which access was limited by site conditions included the following:

- Areas enclosed by fixed wall and ceiling systems were restricted to very limited visual access. Fixed wall and ceiling systems included plaster, drywall and joint compound installed throughout the property. Spot checking and limited destructive means were used.
- Polarized Light Microscopy (PLM) is the most commonly accepted and regulatory method for identifying asbestos in building materials, PLM is also known to have resolution limitations and may not detect small fibers bound in a matrix. Certain organically bound materials may have asbestos fibers beyond the resolution detection of PLM.

3.2 Inspection and Sample Collection Procedures

Samples of suspect ACM were taken in accordance with US Environmental Protection Agency (EPA) protocol, and were collected by William Ciancaglini or Dharam Kissoondath who are MDE and EPA AHERA certified Asbestos Inspectors.

All samples were transported for analysis to SanAir Technologies Laboratory located in Powhatan, VA; the laboratory successfully participates in the National Voluntary Laboratory Accreditation Program (NVLAP). See Appendix D for copies of applicable accreditations. Rigorous chain-of-custody guidelines were followed to ensure proper handling and delivery of the samples. Polarized Light Microscopy (PLM) techniques were used to analyze the samples.

The samples were analyzed for asbestos by polarized light microscopy (PLM) in accordance with the “EPA Method for the Determination of Asbestos in Bulk Building Materials”. Analysis was performed by using the bulk sample for visual observation and slide preparation, and for microscopic examination and identification. The samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, actinolite/tremolite), and fibrous non-asbestos constituents (mineral wool, fiberglass, cellulose, etc.). Asbestos was identified by refractive indices, morphology, color, and signs of elongation. The same characteristics were used to identify the non-asbestos constituents. The microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample, using a stereoscope.

During the inspection, accessibility, location, and friability of each accessible suspect material was recorded.

3.3 Summary of Asbestos Containing Materials

Materials containing greater than 1% asbestos are classified as ACMs by both the US EPA and MDE. A total of eighty (80) samples were collected and analyzed during the project. Ten (10) samples contained were classified as ACMs. The ACMs identified at the property are summarized in the following table:

Table Abbreviation Key:

Material Type:

S – Surfacing
 TSI – Thermal System Insulation
 M – Miscellaneous

Condition:

G – Good
 D – Damaged
 SD – Significantly Damaged

Friability:

F – Friable
 NF – Non-friable

Quantity:

SF – Square Feet
 LF – Linear Feet

NAD = No Asbestos detected

Summary of ACM's – 4646 and 4670 Suitland Road:

Sample Number(s)	Mat. Type	Material Description	Location	Friable	Approx. Quantity	% Asbestos	Condition
3D	M	Joint Compound	4670 Throughout Space	F	24,000 SF	2% Chrysotile	SD
8A	M	9"x9" Floor Tile and Associated Mastic	4646 Throughout 1 st Floor Under Wood, other Floor Tile or Carpet	NF	10,000 SF	2-5% Chrysotile	G
23A	M	Black Tar on Fiberglass Pipe Insulation	4646 Basement	NF	100 LF	5% Chrysotile	D
24A, 25A	TSI	Pipe Insulation Seams, Pipe Elbows, T's, Valves	4646 Basement	F	160 LF	Pipe Insulation <1% Chrysotile Elbows/Seams 20 % Chrysotile 2% Amosite	SD
26A	M	Cement Wallboard	4646 Basement	NF	108 SF	35% Chrysotile	G
30 A	M	Roof Penetration Tar	Roof Penetrations	NF	120 SF	3% Chrysotile	G
32A	M	Silver Flashing Mastic and Grey Flashing Tar	4646 Roof Front	NF	336 SF	3% Chrysotile	G
36A	M	Roof Flashing	4670 Roof	NF	1,100 SF	3% Chrysotile	G
41A	M	Parapet Wall Sealant	4670 Roof -Top of East Wall	NF	12 SF	5% Chrysotile	G

General Note: Quantities are general approximations based on observed conditions in accessible areas. Any quantities should be confirmed and investigated further prior to bidding on or performing work.

Textured Wall Paint located on the exterior of the spaces was found to contain trace (<1%) amounts of asbestos. While not classified as an ACM, OSHA still regulates airborne employee exposure to asbestos fibers. Any activities that may turn this material to dust may be regulated by OSHA and require employee exposure monitoring and respiratory protection.

The following items were sampled during this inspection pursuant to AHERA protocols and **were found to have No Asbestos Detected (NAD):**

Plaster Skim and Base Coat Wall and Ceiling Systems Throughout Spaces	Drywall/Joint Compound/Tape Wall and Ceiling Systems 4646 Building	Various Ceiling Tiles and Associated Glue Dots Throughout Spaces
Various Top Layers and Other Vinyl Floorings Not Listed Above	Flooring Flash Patch 4670 Showroom	Yellow Carpet Mastic 4646
6" Cove Base Molding and Mastics - 4670	Red Duct Seam Sealant 4646	Exterior Door Caulk
Duct Lining 4646	Fire Door Insulation 4670	Roofing Main Membranes and Insulations

Laboratory Analysis Report and Chain of Custody Forms for this inspection are enclosed as Appendix A.

Photographs are enclosed as Appendix B.

Drawings showing locations of ACM are enclosed as Appendix C.

4. Regulatory Discussion

4.1 National Emission Standard for Hazardous Air Pollutants (NESHAP)

The US Environmental Protection Agency (EPA) issued a regulation in the early 1970's known as the National Emission Standard for Hazardous Air Pollutants (NESHAP). Along with other issues, the intent of the regulation was to require the removal of certain potential airborne hazards (including asbestos) prior to renovation or demolition of the buildings that contain them.

The EPA has defined "friable" material as any building material that when dry, may be crumbled, pulverized, or reduced to powder by hand pressure." Friable materials pose the greatest health risk and must be removed by certified abatement personnel prior to performing activities that will disturb them. However, it is the EPA's position that the mere presence of a friable ACM (e.g. pipe insulation) does not pose a health concern as long as the material is in good condition and well maintained.

Certain ACM's are classified as Category I non-friable materials which are specifically defined as asphalt based roofing products, flooring materials, and packing and gasket materials. These are and are allowed to remain in the building during renovation or demolition pursuant to NESHAP provided the forces impacting them will not make them friable; However, States and local regulations sometimes differ on this matter and may have more stringent requirements. MDE determines on a case by case basis.

Other materials, known as Category II materials are other non-friable materials that are deemed more likely than Category I to become friable during renovation or demolition.

The following ACMs identified at the site are classified as friable materials under NESHAP.

- Damaged Joint Compound Systems
- Pipe Insulation Elbows/Seam Sealant

The following ACMs identified at the site are classified as Category I non-friable materials under NESHAP:

- Vinyl Floorings and Mastics
- Roofing Materials

The following ACMs identified at the site are classified as Category II non-friable materials under NESHAP:

- Cement Wallboard
- Black Tar on Pipe Insulation

The NESHAP also established notification requirements for projects. Any demolition must be notified to EPA. Any asbestos projects were more than 160 square feet, 260 linear feet (pipe insulation) or 35 cubic feet of friable ACM's must be notified to EPA under the NESHAP. States and localities also have notification requirements which may be more stringent. The resulting asbestos-contaminated debris must be discarded in a landfill that is EPA-approved for asbestos.

MDE has a 10 Business day notification requirement for projects above NESHAP sizes.

4.2 North American Free Trade Agreement (NAFTA)

Since the passage of NAFTA, Canada and Mexico have challenged and been able to block, through court rulings, the US EPA ban on import of certain ACM's. As a result of these rulings, ACM's are once again available through some building materials suppliers. Roofing, siding and most commonly flooring materials are the most common items available for sale. Building owners should implement a program to ensure that new materials being put into the building are non-ACM. This is best done by requiring bulk sampling data from the manufacturers or collecting such samples prior to installation.

4.3 Occupational Safety and Health Administration (OSHA)

OSHA regulates worker safety in the workplace. Pursuant to OSHA employees who will disturb or repair ACM's in the building are required to have a minimum of 16 hours Asbestos Operations and Maintenance (O&M) Training and be deemed medically fit to wear a respirator in accordance with OSHA's respiratory protection standard. Personnel with these qualifications may remove up to one waste bag of ACM in a shift as part of normal O&M tasks within the building.

Asbestos O&M requiring disturbance can also be performed by AHERA certified Asbestos Abatement Workers or Supervisors. All asbestos abatement must be performed by an MDE accredited Asbestos Abatement Contractor.

OSHA also requires that employees who routinely contact ACM (maintenance and custodial) receive two hours Asbestos Awareness training.

OSHA also makes it the Building owner's responsibility to notify all employees, outside contractor's, and tenants (if applicable) of the presence and location of ACM's within their buildings.

4.4 Asbestos Hazard Emergency Response Act (AHERA) and Asbestos School Hazard Reauthorization Act (ASHARA)

The Federal Government passed AHERA in the 1980's to require that Schools Kindergarten through Grade 12 perform Asbestos inspections of School facilities and develop a Management Plan for them. ASHARA reauthorized AHERA for Schools and added a requirement that Public and Commercial buildings perform Asbestos Inspections prior to renovation or demolitions of them. ASHARA also stipulated that AHERA trained personnel perform these inspections. AHERA also developed the Model Accreditation Plan outlining training requirements for personnel performing asbestos activities.

5. Conclusions and Recommendations

- **There was friable (can be reduced to powder by hand pressure when dry) Asbestos Containing Materials (ACMs) identified at the property in the form of pipe insulations in the Basement of 4646 and damaged Joint Compound located throughout 4670.**
- **Non-friable ACM was identified at the site in the form of 9"x9" Vinyl Flooring Tile and Associated Black Mastic throughout the first floor of 4646. Black Tar on fiberglass insulation and Cement Wallboard in the Basement of 4646, and Roofing Materials on the roof of both spaces.**
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6. Appendices

Appendix A - Laboratory Results of Sampling and Chain of Custody Forms

Appendix B - Photographs

Appendix C - Drawings

Appendix D - Certifications and Accreditations

Appendix A

Laboratory Results of Sampling and Chain of Custody Forms

SanAir Technologies Laboratory

Analysis Report

prepared for

One Source Environmental, LLC

Report Date: 3/6/2017
Project Name: Suitland Shopping
Center
Project #: 134-004A
SanAir ID#: 17007850



NVLAP LAB CODE 200870-0



Certification # 652931



License # LAB0166



804.897.1177

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SanAir Technologies Laboratory, Inc.

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One Source Environmental, LLC
4 First Street
Annapolis, MD 21401

March 6, 2017

SanAir ID # 17007850
Project Name: Suitland Shopping Center
Project Number: 134-004A

Dear Bill Ciancaglini,

We at SanAir would like to thank you for the work you recently submitted. The 59 sample(s) were received on Friday, March 03, 2017 via FedEx. The final report(s) is enclosed for the following sample(s): 1A, 1B, 1C, 1D, 1E, 1F, 1G, 2A, 2B, 2C, 2D, 3A, 3B, 3C, 3D, 4A, 4B, 5A, 5B, 6A, 6B, 7A, 8A, 8B, 9A, 10A, 11A, 11B, 12A, 13A, 14A, 15A, 16A, 17A, 18A, 19A, 20A, 21A, 21B, 22A, 23A, 24A, 25A, 26A, 27A, 28A, 29A, 30A, 31A, 32A, 33A, 34A, 35A, 36A, 37A, 38A, 39A, 40A, 41A.

These results only pertain to this job and should not be used in the interpretation of any other job. This report is only complete in its entirety. Refer to the listing below of the pages included in a complete final report.

Sincerely,

Sandra Sobrino
Asbestos & Materials Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

sample conditions:

3 sample(s) in Discrepancy w/ COC condition 56 sample(s) in Good condition



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SanAir ID Number

17007850

FINAL REPORT

Name: One Source Environmental, LLC
Address: 4 First Street
Annapolis, MD 21401

Project Number: 134-004A
P.O. Number:
Project Name: Suitland Shopping Center

Collected Date: 2/28/2017 - 3/2/2017
Received Date: 3/3/2017 10:15:00 AM
Report Date: 3/6/2017 12:51:27 PM
Analyst: Pisula, Nicholas
Rouillard, Elliott
Toth, Elizabeth
Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1A / 17007850-001 Plaster Skim/ Base 4646 - Pump Closet, Plaster	Grey Non-Fibrous Homogeneous	100%	Other	None Detected
1A / 17007850-001 Plaster Skim/ Base 4646 - Pump Closet, Skim Coat	Off-White Non-Fibrous Homogeneous	100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1B / 17007850-002 Plaster Skim/ Base 4646 - Main Rm, Plaster	Grey Non-Fibrous Homogeneous	100%	Other	None Detected
1B / 17007850-002 Plaster Skim/ Base 4646 - Main Rm, Skim Coat	Off-White Non-Fibrous Homogeneous	100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1C / 17007850-003 Plaster Skim/ Base 4646 - Main Rm, Plaster	Grey Non-Fibrous Homogeneous	100%	Other	None Detected
1C / 17007850-003 Plaster Skim/ Base 4646 - Main Rm, Skim Coat	Off-White Non-Fibrous Homogeneous	100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
1D / 17007850-004 Plaster Skim/ Base 4670 - Showroom Soffit, Plaster	Beige Non-Fibrous Homogeneous	100%	Other	None Detected
1D / 17007850-004 Plaster Skim/ Base 4670 - Showroom Soffit, Skim Coat	Off-White Non-Fibrous Homogeneous	100%	Other	None Detected

Certification

Analyst: *Susan P. Childress*
Analysis Date: 3/6/2017

Approved Signatory: *[Signature]*
Date: 3/6/2017



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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
1E / 17007850-005 Plaster / Base 4670 - C-Wall Basement, Texture	White Non-Fibrous Homogeneous		100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
1F / 17007850-006 Plaster / Base 4670 - D-Wall Basement, Plaster	Beige Non-Fibrous Homogeneous		100%	Other	None Detected
1F / 17007850-006 Plaster / Base 4670 - D-Wall Basement, Texture	White Non-Fibrous Homogeneous		100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
1G / 17007850-007 Plaster / Base 4670 - Basement Ceiling, Plaster	Tan Non-Fibrous Homogeneous		100%	Other	None Detected
1G / 17007850-007 Plaster / Base 4670 - Basement Ceiling, Plaster	Beige Non-Fibrous Homogeneous		100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
2A / 17007850-008 Drywall 4646 - Main Rm Ceiling	Grey Non-Fibrous Homogeneous	2% Cellulose	98%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
2B / 17007850-009 Drywall 4646 - Mezzanine	Off-White Non-Fibrous Homogeneous		100%	Other	None Detected

Certification

Analyst: *Susan P. Childress*
Analysis Date: 3/6/2017

Approved Signatory: *[Signature]*
Date: 3/6/2017



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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
2C / 17007850-010 Drywall 4670 - Basement Ceiling	Off-White Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
2D / 17007850-011 Drywall 4670 - Showroom	Off-White Non-Fibrous Homogeneous	2% Cellulose	98% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
3A / 17007850-012 Joint Compound 4646 - Ceiling	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
3B / 17007850-013 Joint Compound 4646 - Mezz. Wall	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
3C / 17007850-014 Joint Compound 4670 - Showroom	White Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
3D / 17007850-015 Joint Compound 4670 - Showroom, Joint Compound	Beige Non-Fibrous Homogeneous		98% Other	2% Chrysotile
3D / 17007850-015 Joint Compound 4670 - Showroom, Joint Compound	White Non-Fibrous Homogeneous		100% Other	None Detected

Certification

Analyst: *Susan P. Childress*
Analysis Date: 3/6/2017

Approved Signatory:
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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
4A / 17007850-016 Drywall Tape 4646 - Main Rm	Beige Fibrous Homogeneous	95% Cellulose	5% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
4B / 17007850-017 Drywall Tape 4670 - Showroom	Beige Fibrous Homogeneous	95% Cellulose	5% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
5A / 17007850-018 1'x1' Ceiling Tile 4646 - Hallway	Beige Fibrous Homogeneous	95% Glass	5% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
5B / 17007850-019 1'x1' Ceiling Tile 4646 - Backstage	Beige Fibrous Homogeneous	95% Glass	5% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
6A / 17007850-020 Ceiling Tile Glue Dots 4646 - Hallway	Brown Non-Fibrous Homogeneous	< 1% Cellulose < 1% Glass	100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
6B / 17007850-021 Ceiling Tile Glue Dots 4646 - Backstage	Brown Non-Fibrous Homogeneous		100% Other	None Detected

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Asbestos Bulk PLM EPA 600/R-93/116

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		% Fibrous	% Non-Fibrous	
7A / 17007850-022 12x12 VFT 4646 - Foyer, Floor Tile	Brown Non-Fibrous Homogeneous		100% Other	None Detected
7A / 17007850-022 12x12 VFT 4646 - Foyer, Mastic	Yellow Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
8A / 17007850-023 9x9 VFT 4646 - Main Room, Floor Tile	Brown Non-Fibrous Homogeneous		95% Other	5% Chrysotile
8A / 17007850-023 9x9 VFT 4646 - Main Room, Mastic	Black Non-Fibrous Homogeneous		98% Other	2% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
8B / 17007850-024 9x9 VFT 4646 - Stair Laundry				Not Analyzed

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
9A / 17007850-025 Vinyl Flooring 4646 - Bathroom 1, Floor Tile	Grey Non-Fibrous Homogeneous		100% Other	None Detected
9A / 17007850-025 Vinyl Flooring 4646 - Bathroom 1, Mastic	Various Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
10A / 17007850-026 Flooring 4646 - Mezzanine Bath, Floor Tile	Grey Non-Fibrous Homogeneous		100% Other	None Detected
10A / 17007850-026 Flooring 4646 - Mezzanine Bath, Mastic	Yellow Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected

Certification

Analyst: *Susan P. Childress*
Analysis Date: 3/6/2017

Approved Signatory: *[Signature]*
Date: 3/6/2017



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SanAir ID Number

17007850

FINAL REPORT

Name: One Source Environmental, LLC
Address: 4 First Street
Annapolis, MD 21401

Project Number: 134-004A
P.O. Number:
Project Name: Suitland Shopping Center

Collected Date: 2/28/2017 - 3/2/2017
Received Date: 3/3/2017 10:15:00 AM
Report Date: 3/6/2017 12:51:27 PM
Analyst: Pisula, Nicholas
Rouillard, Elliott
Toth, Elizabeth
Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
11A / 17007850-027 12x12 VFT 4670 - Hallway, Floor Tile	White Non-Fibrous Homogeneous		100%	Other	None Detected
11A / 17007850-027 12x12 VFT 4670 - Hallway, Mastic	Yellow Non-Fibrous Homogeneous		100%	Other	None Detected
11A / 17007850-027 12x12 VFT 4670 - Hallway, Cove Base	Grey Non-Fibrous Homogeneous		100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
11B / 17007850-028 12x12 VFT 4670 - Showroom, Floor Tile	White Non-Fibrous Homogeneous		100%	Other	None Detected
11B / 17007850-028 12x12 VFT 4670 - Showroom, Mastic	Yellow Non-Fibrous Homogeneous		100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
12A / 17007850-029 12x12 - VFT Bottom Layer 4670 - Foyer, Mastic	Yellow Non-Fibrous Homogeneous		100%	Other	None Detected
12A / 17007850-029 12x12 - VFT Bottom Layer 4670 - Foyer, Flooring	Various Non-Fibrous Homogeneous		100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	% Fibrous	Components		Asbestos Fibers
			% Non-Fibrous		
13A / 17007850-030 Flash Patch 4670 - Foyer, Mastic	Yellow Non-Fibrous Homogeneous		100%	Other	None Detected
13A / 17007850-030 Flash Patch 4670 - Foyer, Flash Patch	Off-White Non-Fibrous Homogeneous		100%	Other	None Detected
13A / 17007850-030 Flash Patch 4670 - Foyer, Mastic	Yellow Non-Fibrous Homogeneous		100%	Other	None Detected

Certification

Analyst: *Susan P. Childress*
Analysis Date: 3/6/2017

Approved Signatory: *[Signature]*
Date: 3/6/2017



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Toth, Elizabeth
Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
14A / 17007850-031 12x12 VFT 4670 - Bath Janitor Closet, Floor Tile	Blue Non-Fibrous Homogeneous	100%	Other	None Detected
14A / 17007850-031 12x12 VFT 4670 - Bath Janitor Closet, Mastic	Yellow Non-Fibrous Homogeneous	100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
15A / 17007850-032 4" Cove Base 4670 - Hallway, Cove Base	Black Non-Fibrous Homogeneous	100%	Other	None Detected
15A / 17007850-032 4" Cove Base 4670 - Hallway, Mastic	Yellow Non-Fibrous Homogeneous	100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
16A / 17007850-033 Carpet Mastic 4646 - Hall - 2	Tan Non-Fibrous Homogeneous	100%	Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
17A / 17007850-034 Duct Seam Sealant 4646 Duct	Red Non-Fibrous Homogeneous	4% Cellulose	96% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
18A / 17007850-035 Door Caulk 4646 Front Door	Grey Non-Fibrous Homogeneous	4% Wollastonite	96% Other	None Detected

Certification

Analyst: *Susan P. Childress*
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Approved Signatory: *[Signature]*
Date: 3/6/2017



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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
19A / 17007850-036 Textured Paint 4646 B-Wall	Various Non-Fibrous Heterogeneous	100% Other		< 1% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
20A / 17007850-037 Duct Lining 4646 - Duct	Brown Fibrous Homogeneous	50% Synthetic	50% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
21A / 17007850-038 2x4 Ceiling Tile 4670 - Showroom	Tan Fibrous Heterogeneous	60% Cellulose 20% Glass	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
21B / 17007850-039 2x4 Ceiling Tile 4670 - Showroom	Tan Fibrous Heterogeneous	60% Cellulose 20% Glass	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
22A / 17007850-040 Fire Door Insulation 4670 - D-Wall	Brown Fibrous Homogeneous	98% Cellulose	2% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
23A / 17007850-041 Pipe Tar Sealant 4646 - Basement	Black Non-Fibrous Heterogeneous	15% Cellulose	80% Other	5% Chrysotile

Certification

Analyst: *Susan P. Childress*
Analysis Date: 3/6/2017

Approved Signatory:
Date: 3/6/2017



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Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
24A / 17007850-042 Pipe Insulation 4646 - Basement	Various Fibrous Heterogeneous	98% Cellulose	2% Other	< 1% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
25A / 17007850-043 Pipe Elbow Insulation 4646 - Basement	Beige Non-Fibrous Homogeneous		78% Other	20% Chrysotile 2% Amosite

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
26A / 17007850-044 Cement Wallboard 4646 - Basement	Grey Non-Fibrous Homogeneous		65% Other	35% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
27A / 17007850-045 Roof Membrane 4646 - Roof	Black Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
28A / 17007850-046 Roof Insulation Layer 4646 - Roof	Various Fibrous Homogeneous	98% Cellulose	2% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
29A / 17007850-047 Roof Membrane Tar 4646 - Roof	Black Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected

Certification

Analyst: *Susan P. Childress*
Analysis Date: 3/6/2017

Approved Signatory:
Date: 3/6/2017



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Annapolis, MD 21401

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Report Date: 3/6/2017 12:51:27 PM
Analyst: Pisula, Nicholas
Rouillard, Elliott
Toth, Elizabeth
Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
30A / 17007850-048 Roof Penetration Tar 4646 - Roof	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
31A / 17007850-049 Flashing 4646 - Roof	Black Non-Fibrous Heterogeneous	20% Cellulose	80% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
32A / 17007850-050 Flashing Mastic 4646 - Roof	Silver Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
33A / 17007850-051 Flashing Tar 4646 - Roof	Black Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
34A / 17007850-052 Flashing Tar 4646 - Roof	Black Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
35A / 17007850-053 Tar 4670 - Roof A - Right, Paint	Silver Non-Fibrous Homogeneous		100% Other	None Detected
35A / 17007850-053 Tar 4670 - Roof A - Right, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
35A / 17007850-053 Tar 4670 - Roof A - Right, Felt	Black Fibrous Homogeneous	60% Cellulose	40% Other	None Detected

Certification

Analyst: *Susan P. Childress*
Analysis Date: 3/6/2017

Approved Signatory: *[Signature]*
Date: 3/6/2017



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Analyst: Pisula, Nicholas
Rouillard, Elliott
Toth, Elizabeth
Childress, Susan

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
36A / 17007850-054 Flashing 4670 - Roof A - Right, Shingle	White Non-Fibrous Heterogeneous	20% Cellulose	80% Other	None Detected
36A / 17007850-054 Flashing 4670 - Roof A - Right, Flashing	Silver Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
37A / 17007850-055 Flashing Tar 4670 - Roof A - Right	Silver Non-Fibrous Homogeneous		97% Other	3% Chrysotile

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
38A / 17007850-056 Roof Membrane 4670 - Roof D - Right	Black Non-Fibrous Homogeneous		100% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
39A / 17007850-057 Roof Insulation Layer 4670 - Roof D - Right	Brown Fibrous Homogeneous	80% Cellulose	20% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
40A / 17007850-058 Membrane Tar Sealant 4670 - Roof D - Right	Silver Non-Fibrous Homogeneous	5% Cellulose	95% Other	None Detected

SanAir ID / Description	Stereoscopic Appearance	Components		Asbestos Fibers
		% Fibrous	% Non-Fibrous	
41A / 17007850-059 Parapet Wall Sealant 4670 - Roof D - Right	Black Non-Fibrous Homogeneous		95% Other	5% Chrysotile

Certification

Analyst: *Susan P. Childress*
Analysis Date: 3/6/2017

Approved Signatory: *[Signature]*
Date: 3/6/2017

Disclaimer

The final report cannot be reproduced, except in full, without written authorization from SanAir. Fibers smaller than 5 microns cannot be seen with this method due to scope limitations. The accuracy of the results is dependent upon the client's sampling procedure and information provided to the laboratory by the client. SanAir assumes no responsibility for the sampling procedure and will provide evaluation reports based solely on the sample and information provided by the client. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government.

For NY state samples, method EPA 600/M4-82-020 is performed.

Polarized- light microscopy is not consistently reliable in detecting asbestos in floor covering and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing.

NY ELAP lab ID 11983

17007850

Chain of Custody – PLM EPA 600

One Source Environmental, LLC (OSE) Phone: 240-286-2601
 29485 Whalen Road Fax: 410-573-5068
 Charlotte Hall, MD 20622

Page: 1 of 3

EMAIL: billciancaglini@onesourceenvironmental.com

OSE Project Number: 134-004A Date(s) Samples Taken: 2/28-3/4/17
 Project Name: Suitland Shopping Center Address: 4646 & 4670 Suitland Road
Suitland, MD 20746

Comments: PLM-Positive Stop on all Sample Sets TAT(Circle): ASAP 24 Hr 48 Hr 72 Hr 5 Day
 yes

Sample Number	Material Type*	Sampled Material	Sample Location	Condition **	Friable ***
1A	S	Plaster skim/Baso	4646 - Pump Closet	D	NF
1B			4646 - Main Rm	G	NF
1C				G	NF
1D			4670 - Showroom	D	NF
1E			4670 - Basement	SD	NF
1F			4670 - Dwall Basement	SD	NF
1G			4670 - Basement Ceiling	SD	NF
2A	M	Drywall	4646 - Main Rm Ceiling	G	NF
2B			4646 - Mezzanine	G	NF
2C			4670 - Basement Ceiling	SD	NF
2D			4670 - Showroom	D	NF
3A	M	Joint Compound	4646 - Ceiling	G	NF
3B			4646 - Mezz.	G	NF
3C			4670 Showroom	SD	F
3D				SD	F
4A	M	Drywall Tape	4646 - Main Rm	G	NF
4B			4670 - Showroom	D	NF
5A	M	1'x1' Ceiling Tile	4646 - Hallway	D	F
5B			4646 - Backstage		
6A	M	Ceiling Tile Gherats	4646 - Hallway	G	NF
6B			4646 - Backstage		

***Material Type:**

S - Surfacing
 TSI - Thermal System Insulation
 M - Miscellaneous

****Condition**

G - Good
 D - Damaged
 SD - Significantly Damaged

*****Friability:**

F - Friable
 NF - Non-friable

Inspector(Print): William Ciancaglini Signature: [Signature] Date: 3/2/17

ML

MAR 03 2017

(OSE) Project Number: 134-004A

Page: 2 of 3

Analyze
Mastics

Sample Number	Material Type*	Sampled Material	Sample Location	Condition **	Friable ***
7A	M	12x12 VFT-Brown	4646 - Foyer	G	NF
8A	M	9x9 VFT Brown	4646 - Main Room	G	NF
8B	M	1 1 Brown/gray	4646 - Stairlandy	G	NF
9A	M	Viny Flooring	4646 - Bathroom 1	G	NF
10A	M	Grey Flooring	4646 - Mezzanine Bath	G	NF
11A	M	12x12 VFT White	4670 - Hallway	D	NF
11B	M	1 1	4670 - Showroom	D	NF
12A	M	12x12 - VFT Bottom Layer	4670 - Foyer	D	NF
13A	M	Flash Patch	1 1	G	NF
14A	M	12x12 VFT Blue Mottle	4670 - Bath Janitor Closet	G	NF
15A	M	4" Black Love Base	4670 - Hallway	G	NF
16A	M	Carpet Mastic	4646 - Hall-2	G	NF
17A	M	Red Duct Seam Sealant	4646 Duct	G	NF
18A	M	Door Caulk	4646 Fire Door	G	NF
19A	M	Textured Paint	4646 B-Wall	G	NF
20A	M	Duct Lining	4646 - Duct	G	NF
21A	M	2x4 Ceiling tile	4670 - Showroom	SD	F
21B	M	1 1	1 1	SD	F
22A	M	Fire Door Insulation	4670 - D-Wall	G	NF
23A	M	Black Pipe Tear Sealant	4646 - Basement	D	NF
24A	TSI	Corrugated Pipe Insulation	1	SD	F
25A	TSI	Pipe Elbow Insulation	1	D	F
26A	M	Cement Wall Board	1	G	NF
27A	M	Roof Membrane	4646 - Roof	G	NF
28A	M	Roof Insulation Layer	1 1	G	NF
29A	M	Roof Membrane Tar	1 1	G	NF

*Material Type:


S - Surfacing
TSI - Thermal System Insulation
M - Miscellaneous

**Condition

G - Good
D - Damaged
SD - Significantly Damaged

***Friability:

F - Friable
NF - Non-friable

Inspector (Print): William Ciancapini Signature: 

Date: 3/2/17

MC

Appendix B

Photographs

PHOTOGRAPHS

Project No.: 134-004A ACM Project Name: 4646 and 4670 Suitland Road – Suitland, MD



Photo #1:	4646 Perimeter Walls Plaster Sample Set 1 Non-ACM
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Photo #2:	4646 Interior Walls Drywall/Joint Compound/Tape Sample Sets 3, 4, 5 Non-ACM
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Photo #3:	4670 Soffit Plaster Sample Set 1 Non-ACM
-----------	--



Photo #4:	4670 Wall System – Joint Compound 2% Chrysotile Asbestos in 4670
-----------	--



Photo #5:	4646 Hallway/Backstage Area 1'x1' Ceiling Tile and Glue Dots Sample Sets 5 and 6 Non-ACM
-----------	--



Photo #6:	4646 Under Wood Floor 9'x9' Floor Tile & Mastic Sample Set 8 Tile & Mastic ACM
-----------	--

PHOTOGRAPHS

Project No.: 134-004A ACM Project Name: 4646 and 4670 Suitland Road – Suitland, MD



Photo #7:	4646 Bathroom-1 Top Layer Vinyl Flooring Sample 9A Non-ACM
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Photo #8:	4646 Mezzanine Bathroom Gray Vinyl Flooring Sample 10A Non-ACM
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Photo #9:	4670 Foyer/Showroom Multiple Layers Tile and Flash Patch Sample Sets 11,12,13 Non-ACM
-----------	--



Photo #10:	4670 Showroom 12"x12" Floor Tile and Mastic Sample Sets 11,12 Non-ACM
------------	--



Photo #11:	4646 Hallway-1 Red Duct Seam Sealant Sample 17A Non-ACM
------------	--



Photo #12:	4646 Exterior Wall Textured Paint Sample 19A Trace <1% Chrysotile Asbestos
------------	---

PHOTOGRAPHS

Project No.: 134-004A ACM Project Name: 4646 and 4670 Suitland Road – Suitland, MD



Photo #13: 4646 Basement – Samples 23, 24, 25 ACM
Pipe Insulation/Elbows and Seam Cement & Black Mastic on Fiberglass Insulation



Photo #14: 4646 Basement – Samples 23, 24, 25 ACM
Pipe Insulation/Elbows and Seam Cement & Black Mastic on Fiberglass Insulation



Photo #15: 4646 Basement
Cement Wallboard
Sample 26A 35% Chrysotile Asbestos



Photo #16: 4646 Roof Membrane and Insulation
Samples 27A, 28A Non-ACM



Photo #17: 4646 Roof Membrane Tar
Sample 29A Non-ACM



Photo #18: Roof Penetration Tar
Sample 30A 3% Chrysotile Asbestos

PHOTOGRAPHS

Project No.: 134-004A ACM Project Name: 4646 and 4670 Suitland Road – Suitland, MD



Photo #19: 4646 Roof Flashing Mastic
Sample 34A 3% Chrysotile Asbestos



Photo #20: 4646 Roof Tar on Metal Flashing
Grey is #5 Chrysotile Asbestos



Photo #21: 4670 Roof
Flashing and Penetration Tar are ACM



Photo #22: 4670 Roof Membrane East Side
Samples 38A, 39A Non-ACM



Photo #23: 4670 Roof Membrane/Tar West Side
Non-ACM



Photo #24: 4670 East Parapet Wall
Sealant
Sample 41A 5% Chrysotile Asbestos

PHOTOGRAPHS

Project No.: 134-004A ACM Project Name: 4646 and 4670 Suitland Road – Suitland, MD



Photo #25:	4670 East Roof Membrane Sealant Sample 40A Non-ACM
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Photo #26:	4670 Plenum No Suspected ACM's
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Photo #27:	4670 Plenum No Suspected ACM's
------------	-----------------------------------



Photo #28:	4670 Plenum No Suspected ACM's
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Appendix C

Drawings

JOB #: 134-004A

Property Diagram

Inspector's Name: William Ciancaglini

Accreditation #: 4089

Property Address: 4646 Suitland Road

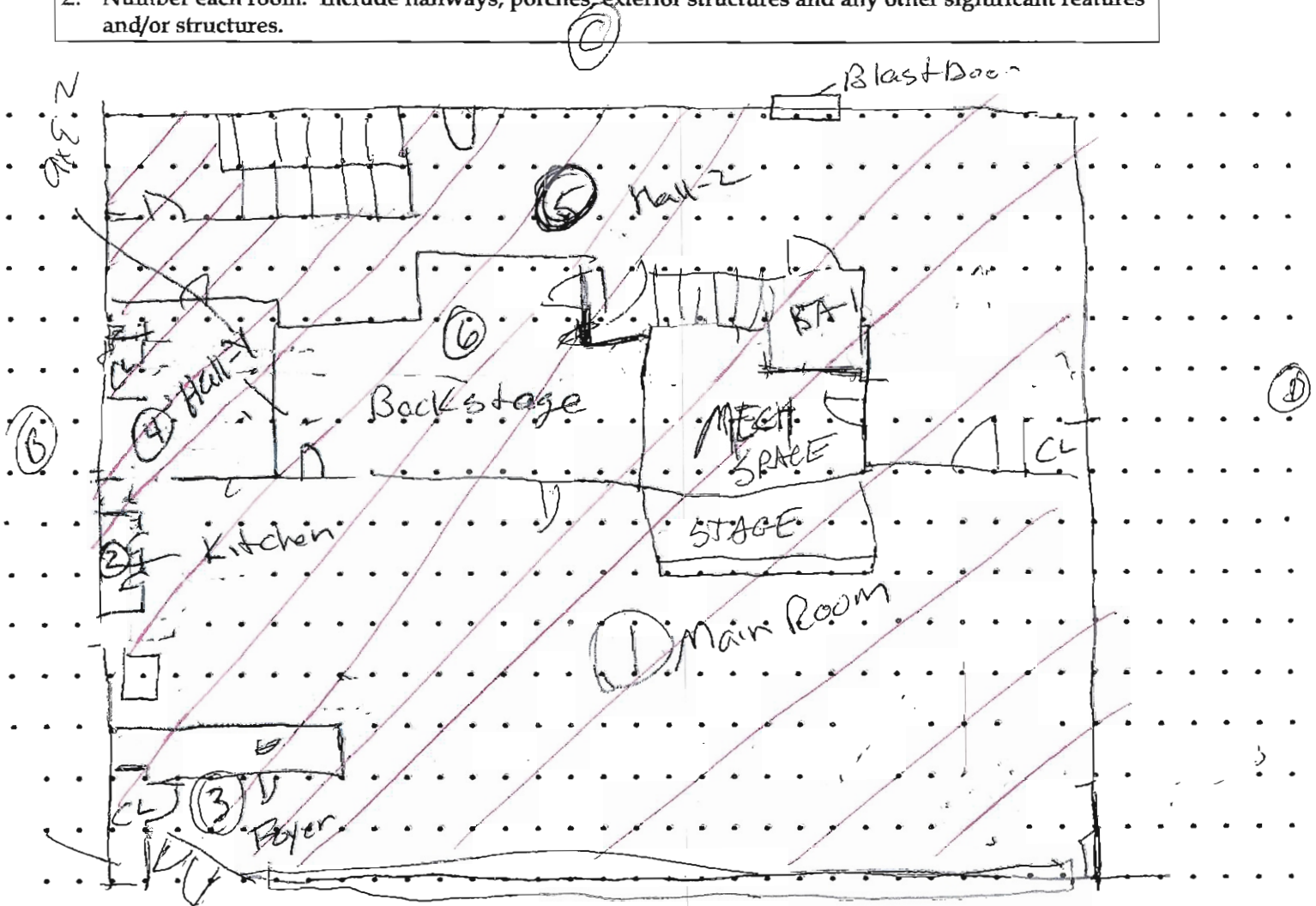
Unit/Apt # 1st Floor


City: Suitland State: MD

Zip: 20746

Instructions:

1. Draw a diagram of the property
2. Number each room. Include hallways, porches, exterior structures and any other significant features and/or structures.



 -Acem Floor Tile & Mastic

(A)

JOB #: 134-004A

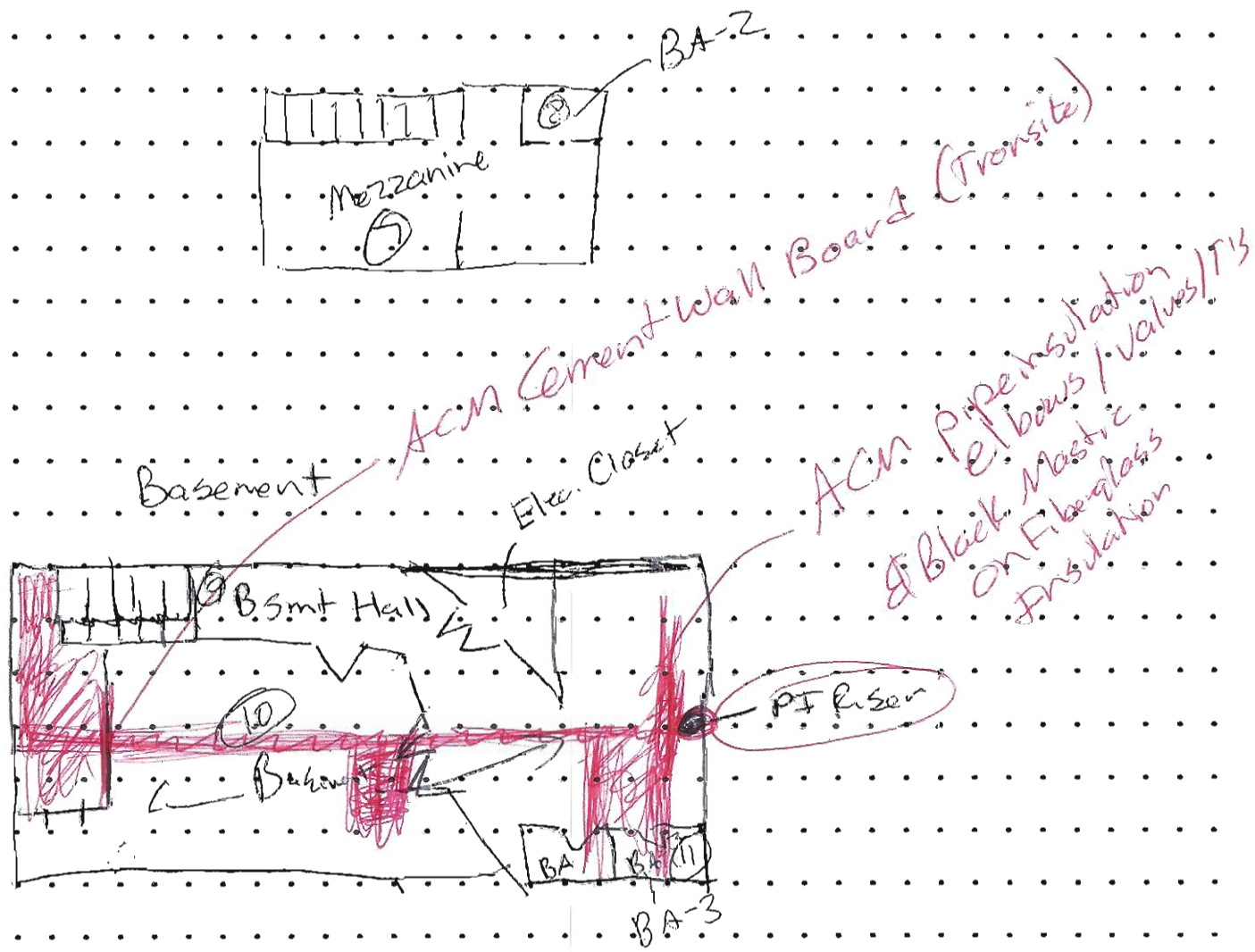
Property Diagram

Inspector's Name: William Carapalini Accreditation #: 4089

Property Address: 4646 Suitland Road Unit/Apt # Basement/Mezzanine

City: Suitland State: MD Zip: 20746

- Instructions:
1. Draw a diagram of the property
 2. Number each room. Include hallways, porches, exterior structures and any other significant features and/or structures.



JOB #: 134-004A

Property Diagram

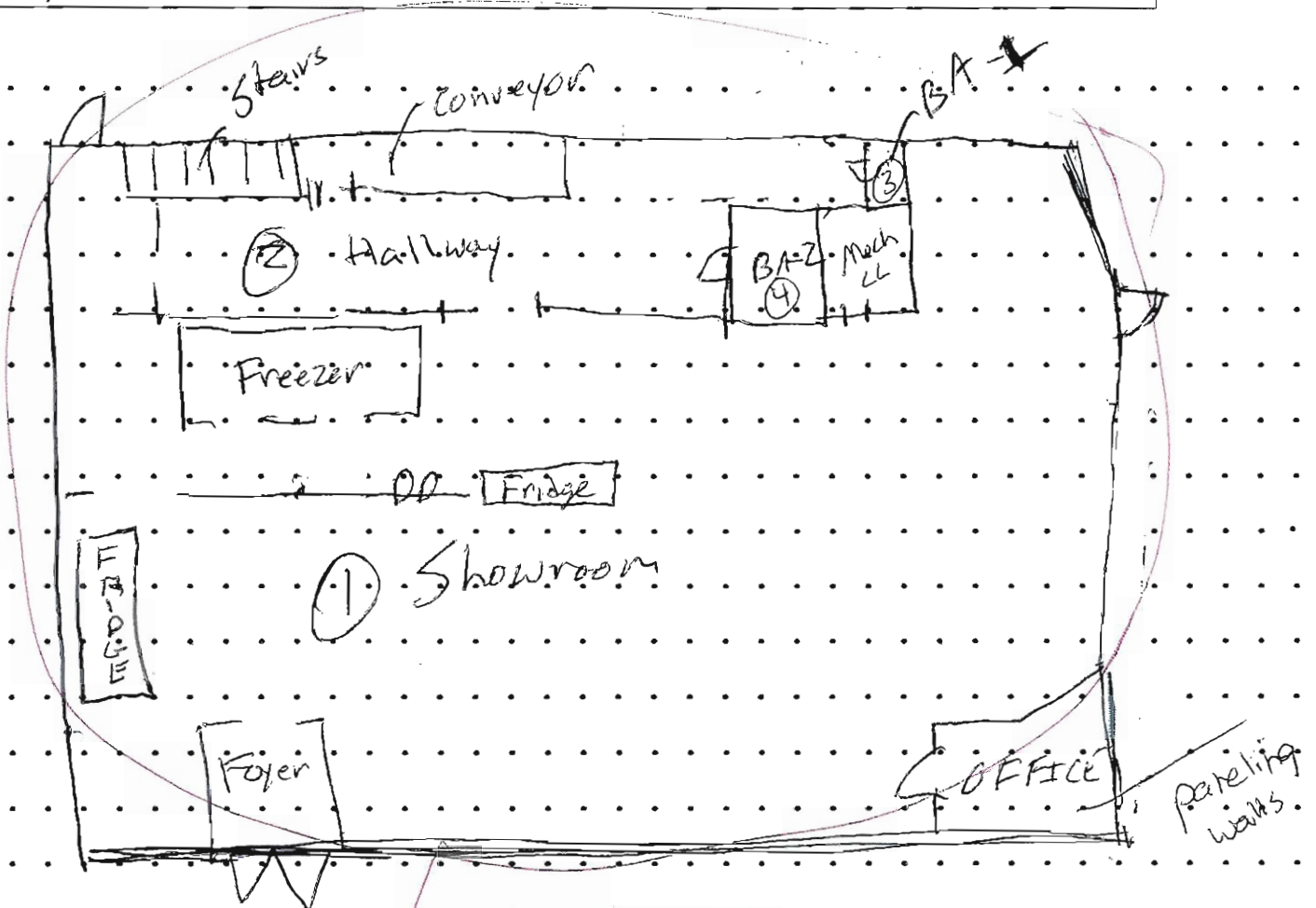
Inspector's Name: William Ciancaglini Accreditation #: 4089

Property Address: 4670 Suitland Road Unit/Apt # 1st Floor

City: Suitland State: MD Zip: 20746

Instructions:

1. Draw a diagram of the property
2. Number each room. Include hallways, porches, exterior structures and any other significant features and/or structures.



Appendix D

Certifications and Accreditations

Asbestos License

MDE

William Ciancaglini
Name




Signature

Inspector/Management Planner Review
Course Title

Course Date: 03/14/2016
Exp Date: 03/14/2017
Exam Date: 04/21/2016

16008201

STATE OF MARYLAND

Aerosol Monitoring & Analysis, Inc.
Training Provider

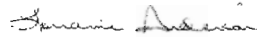
1331 Ashton Road
Address

Hanover, MD 21076
City, State, Zip

410-684-3327
Phone



Lorraine Anderson
Name of Training Director



For additional information, call MDE (410) 537-3200

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

WILLIAM CIANCAGLINI

*has met the attendance requirements and successfully completed
the course entitled*

1-DAY EPA AHERA INSP/MGMT PLANNER REFRESHER

For Accreditation Under TSCA Title II

03/14/2016

Course Date

03/14/2016

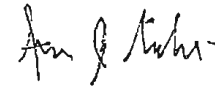
Exam Date

3/14/2017

Expiration Date

STEVE SIERACKI

Principal Instructor



AIMPR03142016-2

Certification No.

VAAIMPR03142016-2

Virginia Certification No.

E. Rush Barnett

Course Director



1331 Ashton Road

P.O.Box 646

Hanover, MD 21076

P: 410-684-3327

F: 410-684-3724

www.amatraining.com

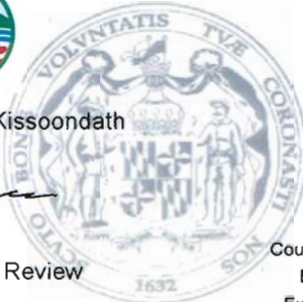
Asbestos License



Dharam Kissoondath
Name

Signature

Inspector Review
Course Title



Course Date: 01/17/2017
Exp Date: 01/17/2018
Exam Date: 02/02/2017

17002971

STATE OF MARYLAND

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

DHARAM KISSOONDATH

*has met the attendance requirements and successfully completed
the course entitled*

4-HOUR EPA AHERA INSPECTOR REFRESHER

For Accreditation Under TSCA Title II

01/17/2017

Course Date

01/17/2017

Exam Date

1/17/2018

Expiration Date

STEVE SIERACKI

Principal Instructor



AIR01172017-13

Certification No.

VAAIR01172017-13

Virginia Certification No.

E. Rush Barnett

Course Director



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Hanover, MD 21076

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F: 410-684-3724

www.amatraining.com

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200870-0

SanAir Technologies Laboratory, Inc.
Powhatan, VA

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2016-04-01 through 2017-03-31

Effective Dates



A handwritten signature in blue ink, reading "David F. Alderman", is written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SanAir Technologies Laboratory, Inc.

1551 Oakbridge Drive
Suite B
Powhatan, VA 23139
Ms. Sandra Sobrino
Phone: 804-897-1177 Fax: 804-897-0070
Email: ssobrino@sanair.com
http://www.sanair.com

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200870-0

Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

David F. Alderman

For the National Voluntary Laboratory Accreditation Program