

**ASBESTOS SURVEY
of
Main House & Shed
8801 Corkscrew Road
Estero, FL 33928**



**Prepared For:
Mr. David Willems
The Village of Estero
9401 Corkscrew Palms Circle
Estero, FL 33928**

**Prepared By:
American Management Resources Corporation
5230 Clayton Court
Fort Myers, Florida 33907**

**Report Number: 23-041434-AS
Prepared On: April 25, 2023**

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1.0 INTRODUCTION

1.1 Summary

American Management Resources Corporation (AMRC) of Fort Myers, Florida, performed a survey to identify and locate asbestos-containing materials (ACM) in preparation for planned demolition activities of the main house and shed structures located at 8801 Corkscrew Road in Estero, Florida. This survey was conducted in accordance with the written authorization dated April 17, 2023.

American Management Resources Corporation is a Florida licensed asbestos consulting company (License No. ZA-0000139). The survey was conducted by Mr. Zachary Middleby, an accredited asbestos inspector with AMRC, on April 21, 2023.

1.2 Purpose and Scope of Services

In order to ensure a safe and healthy work environment, Federal, State and Local regulations require that asbestos-containing materials (ACM) be identified prior to demolition and/or renovation activities. The purpose of this survey is to assist in compliance with the aforementioned Federal, State and Local regulations. The scope of services for this inspection included a general assessment of the subject site for suspect asbestos-containing material, bulk sample collection of the suspect materials for laboratory analysis to determine asbestos content, and report preparation detailing sample results, findings, conclusions, and recommendations.

1.3 Inspection and Sampling Methodology

During the inspection, the following methodology was employed:

- The suspected asbestos-containing materials were identified and grouped into homogeneous sampling areas.
- Drawings and written notes were prepared to determine and document sample areas.
- Each sampling area was divided into appropriate sub-sections to make sure samples obtained were representative of the entire sample area.
- The proper number of samples to be collected was determined based on the type of material and size of the sample area.
- Samples were collected following guidelines designed to minimize fiber release.
- Samples were sent to a qualified laboratory for analysis by polarized light microscopy.
- Sample results were interpreted, and asbestos content was determined.

2.0 SITE DESCRIPTION

2.1 Building and Mechanical Systems

2.1.2 Construction Description

Size of Structure/# Stories	4,151 Ft ² /Two Stories
Foundation	Concrete Slab
Exterior Walls	Stucco
Interior Walls	Plaster
Flooring	Carpet, Ceramic
Ceilings	Plaster
Roof Support	Wood Truss
Roof Type	Barrel Tile, Rolled Asphalt
HVAC	Package Unit
Building Use	Vacant

3.0 SAMPLE RESULTS

3.1 Summary of Asbestos-Containing Materials

The following table lists all samples collected and submitted for asbestos content analysis during the survey. The homogeneous areas that were determined to be asbestos containing are highlighted.

Table 1. Asbestos Sample Plan (ASP) / Asbestos-Containing Materials (ACM)

Homo Mat.	Sample No.	Description/Color	Sample Location	Known Material Location	Area S.F./L.F. (Est)	NESHAP Category Material	Sample Results
A	1, 2	Ceiling Texture, Gray	Dining Room (x2)	N/A	N/A	Non- Regulated	None Detected
B	3, 4, 5	Plaster Ceiling, Gray	Dining Room, Living Room, Foyer	N/A	N/A	Non- Regulated	None Detected
C	6, 7	6" Ceramic Tile/ Grout/Thin Set, Red	Kitchen (x2)	N/A	N/A	Non- Regulated	None Detected
D	8, 9	Hexagon Ceramic Tile/Grout/Thin Set, Brown	Dining Room (x2)	N/A	N/A	Non- Regulated	None Detected
E	10, 11	12" Ceramic Tile/ Grout/Thin Set/Felt, Red/Tan	Great Room (x2)	Great Room	325 ft ²	RACM	50% Chrysotile (Felt)
F	12, 13	Ceramic Design Tile/ Grout/Thin Set/Felt, Red/Tan	Hallway (x2)	Hallway, Foyer	225 ft ²	RACM	50% Chrysotile (Felt)
G	14, 15, 16	Interior Stucco, Gray	Study, Guest Bed 2, Living Room	N/A	N/A	Non- Regulated	None Detected
H	17, 18	Brick/Grout/Thin Set, Red	Bath 2 (x2)	N/A	N/A	Non- Regulated	None Detected
I	19, 20, 21	Plaster Wall, Gray	Guest Bed 3, Guest Bed 4, Master Bed	N/A	N/A	Non- Regulated	None Detected
J	22, 23	8" Ceramic Tile/ Grout/ Thin Set, Off White	Bath 3 (x2)	N/A	N/A	Non- Regulated	None Detected
K	24, 25	Rolled Asphalt/Felt/ Tar/Insulation, Black	Flat Roof (x2)	N/A	N/A	Non- Regulated	None Detected
L	26, 27	Duct Mastic, Gray	Flat Roof (x2)	N/A	N/A	Non- Regulated	None Detected
M	28, 29	Barrel Tile/Mortar, Red	Roof (x2)	N/A	N/A	Non- Regulated	None Detected
N	30, 31	Rolled Asphalt Roofing, Black	Roof (x2)	N/A	N/A	Non- Regulated	None Detected
O	32, 33, 34	Stucco, Gray	Exterior (x3)	N/A	N/A	Non- Regulated	None Detected
P	35, 36	Asphalt Shingle/Felt, Black	Shed Roof (x2)	N/A	N/A	Non- Regulated	None Detected

****This Asbestos Sample Plan only includes materials sampled. Square footage and locations provided are estimates only and not for bidding purposes. It is the responsibility of the contractor to confirm all measurements and locations of materials. If additional material is found underneath other building materials or in inaccessible places during demolition or renovation, it must be assessed before being disturbed. AMRC was hired to identify, not quantify, the asbestos-containing materials.**

3.2 Material Category and Applicable Regulatory Information

3.2.1 Regulated Asbestos-Containing Material (RACM)

A regulated asbestos-containing material must contain greater than 1% asbestos. Regulated asbestos-containing material (RACM) means (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

3.2.2 Friable

Materials that are considered friable can be ‘crumbled or reduced to powder, when dry, by hand pressure.’ These materials are of particular importance because adverse health effects caused by exposure to asbestos are primarily linked to inhalation of fibers, and friable asbestos-containing materials (ACM) are more likely to release fibers into the air. As discussed above, these materials are considered regulated asbestos-containing materials (RACM) and the affected areas must be removed prior to a renovation or demolition by a Licensed Asbestos Contractor following all federal, state, and local guidelines.

3.2.3 Category I Non-Friable

Category I non-friable asbestos-containing material (ACM) means asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1 percent asbestos as determined using the method specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy.

3.2.4 Category II Non-Friable

Category II non-friable ACM means any material, excluding Category I non-friable ACM, containing more than 1 percent asbestos as determined using the methods specified in appendix E, subpart E, 40 CFR part 763, section 1, Polarized Light Microscopy that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure.

4.0 FINDINGS, CONCLUSIONS AND RECOMMENDATIONS

Laboratory analysis of the samples for suspect materials determined that asbestos is present in the **ceramic tile/grout/thin set/felt**.

4.1 General

AMRC recommends that materials identified as Asbestos-Containing Materials (ACM), while in place, be maintained through an Operations and Maintenance (O&M) program until they must be disturbed or removed as a result of renovation or demolition. If these materials become significantly damaged and/or require extensive repair activities, access to the areas of damaged ACM should be restricted and the material should be removed by a Florida Licensed Asbestos Abatement contractor.

The USEPA NESHAP Standard 40 CFR 61.145(b) requires that “each owner or operator of a demolition or renovation activity... shall provide... written notice of intention to demolish or renovate.” This notification must be submitted to the Florida Department of Environmental Protection (FDEP) ten working days prior to commencement of the demolition or renovation activity. AMRC strongly encourages direct contact and coordination with the local FDEP office prior to demolition of the structure.

4.2 Specific Site Recommendations

Regulated Asbestos-Containing Material (RACM)

Materials designated as friable and determined to contain greater than 1% asbestos are considered Regulated Asbestos-Containing Material (RACM) and should be removed, if disturbed during renovation/demolition of the structure. Included in this designation is the **ceramic tile/grout/thin set/felt**. AMRC recommends that if during the renovation activities the **ceramic tile/grout/thin set/felt** will be disturbed then the affected portions should be abated by a Florida Licensed Asbestos Abatement Contractor.

Disposal

Asbestos is primarily regulated by the Environmental Protection Agency (EPA), Florida Department of Environmental Protection (FDEP) and the Occupational Safety and Health Administration (OSHA). Both EPA and FDEP regulate asbestos under 40 CFR Part 61 Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP). The asbestos NESHAP addresses milling, manufacturing and fabrication operations, demolition and renovation activities, and waste disposal issues. The rule generally requires that asbestos-containing waste material be sealed in a leak-tight container while wet, labeled, and disposed of properly in a landfill qualified to receive asbestos waste. Landfills have special requirements for handling and securing the asbestos-containing waste to prevent releases of asbestos into the environment. Transportation vehicles that move the waste from the point of generation to the asbestos landfill have special labeling requirements and waste shipment record keeping requirements.

5.0 DISCLAIMERS AND LIMITATIONS

This survey report does not intend to acknowledge, imply, or warrant the inspection for all Asbestos-Containing Materials in areas not normally considered readily accessible through standard survey protocol. These areas include but are not limited to:

- inaccessible spaces below floor levels;
- inaccessible attic spaces;
- materials below ground surface or concrete slab;
- materials in areas considered inaccessible or unsafe;
- materials covered by other types of building materials;
- materials covered by carpeting and other flooring materials;
- materials covered by equipment or heavy objects.

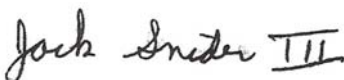
Analysis for asbestos content in the samples collected was performed in accordance with EPA protocol utilizing polarized light microscopy with dispersion staining. Due to the embedded content of the asbestos fibers within resilient flooring, this method may provide false negative results. In this situation, analysis by Transmission Electron Microscopy may be appropriate and is conducted at the request of the client.

In conclusion, it must be understood that American Management Resources Corporation does not intend this report to be representative of all potential Asbestos-Containing Material (ACM) in this facility and is strictly limited to the materials tested and the limitations of the laboratory testing technology methods. AMRC was retained to identify asbestos-containing materials, not to quantify or delineate the materials, and cannot be responsible for any interpretation beyond this scope of work.

AMRC appreciates the opportunity to be of service to The Village of Estero. If additional clarification is needed, please contact AMRC at your convenience.

Respectfully submitted,

AMERICAN MANAGEMENT RESOURCES CORPORATION

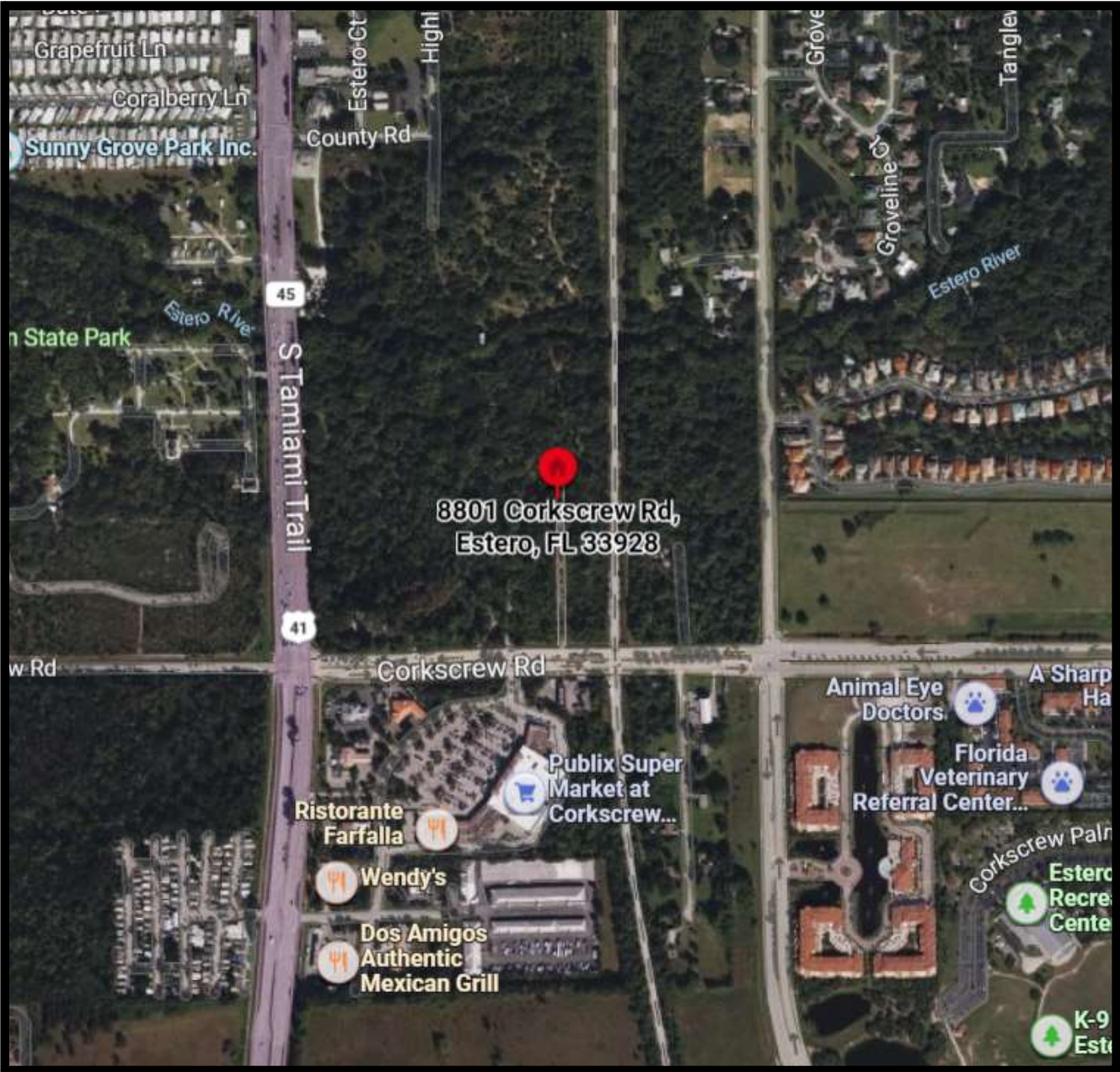


Jack M. Snider, III, MS, CSP, LAC
Senior Consultant
Licensed Asbestos Consultant #AX57



Cassie Rahe
Director of Operations

Site Location Map



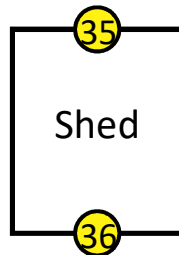
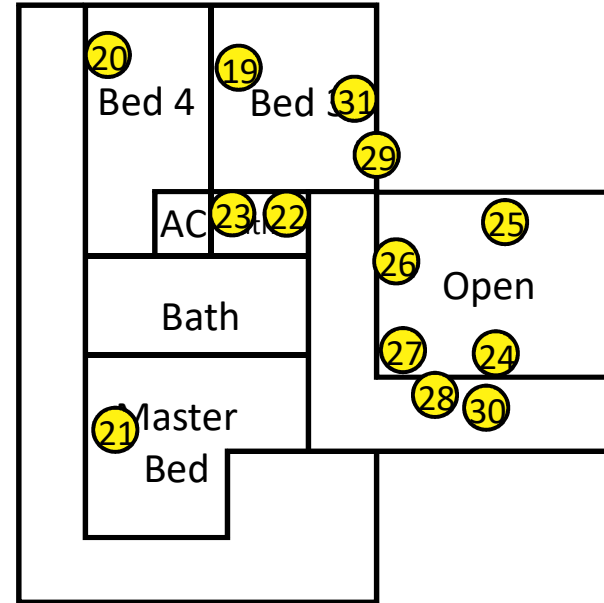
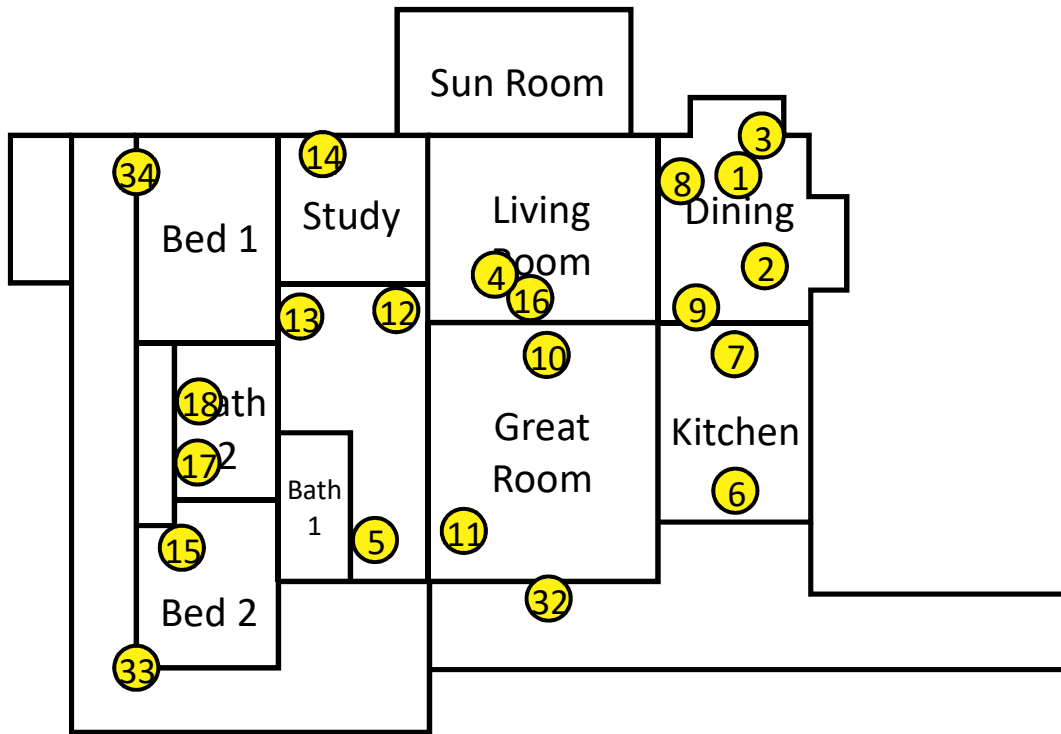
Drawing not to scale

8801 Corkscrew Road
Estero, FL 33928

American Management Resources Corporation
5230 Clayton Court, Fort Myers, Florida 33907



Sample Location Map



 = Sample Location

Drawing not to scale



**8801 Corkscrew Road
Estero, FL 33928**

American Management Resources Corporation
5230 Clayton Court, Fort Myers, Florida 33907



Main House



HM-A: Ceiling Texture, Gray



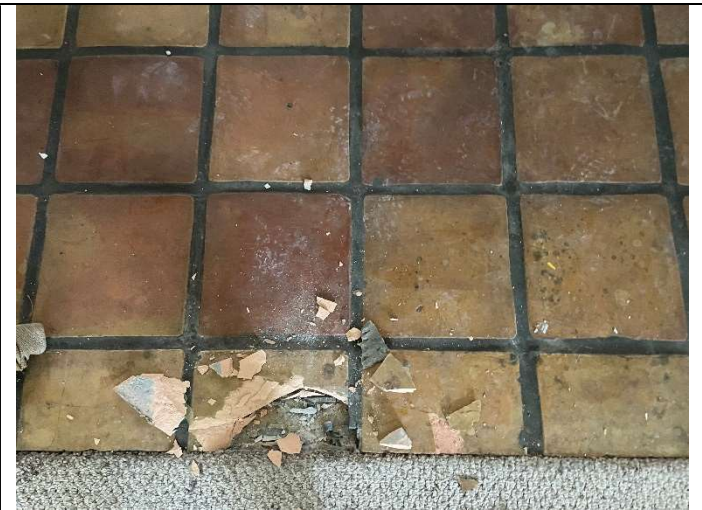
HM-B: Plaster Ceiling, Gray



HM-C: 6" Ceramic Tile/Grout/Thin Set, Red



HM-D: Hexagon Ceramic Tile/Grout/Thin Set, Brown



HM-E: 12" Ceramic Tile/Grout/Thin Set/Felt, Red/Tan

Title: Site Photographs 23-041434-AS
Site: 8801 Corkscrew Road, Estero, FL 33928
Date: April 21, 2023





HM-F: Ceramic Design Tile/Grout/Thin Set/Felt, Red/Tan



HM-G: Interior Stucco, Gray



HM-H: Brick/Grout/Thin Set, Red



HM-I: Plaster Wall, Gray



HM-J: 8" Ceramic Tile/Grout/Thin Set, Off White



HM-K: Rolled Asphalt/Felt/Tar/Insulation, Black

Title: Site Photographs 23-041434-AS
Site: 8801 Corkscrew Road, Estero, FL 33928
Date: April 21, 2023





HM-L: Duct Mastic, Gray



HM-M: Barrel Tile/Mortar, Red



HM-N: Rolled Asphalt Roofing, Black



HM-O: Stucco, Gray



Shed

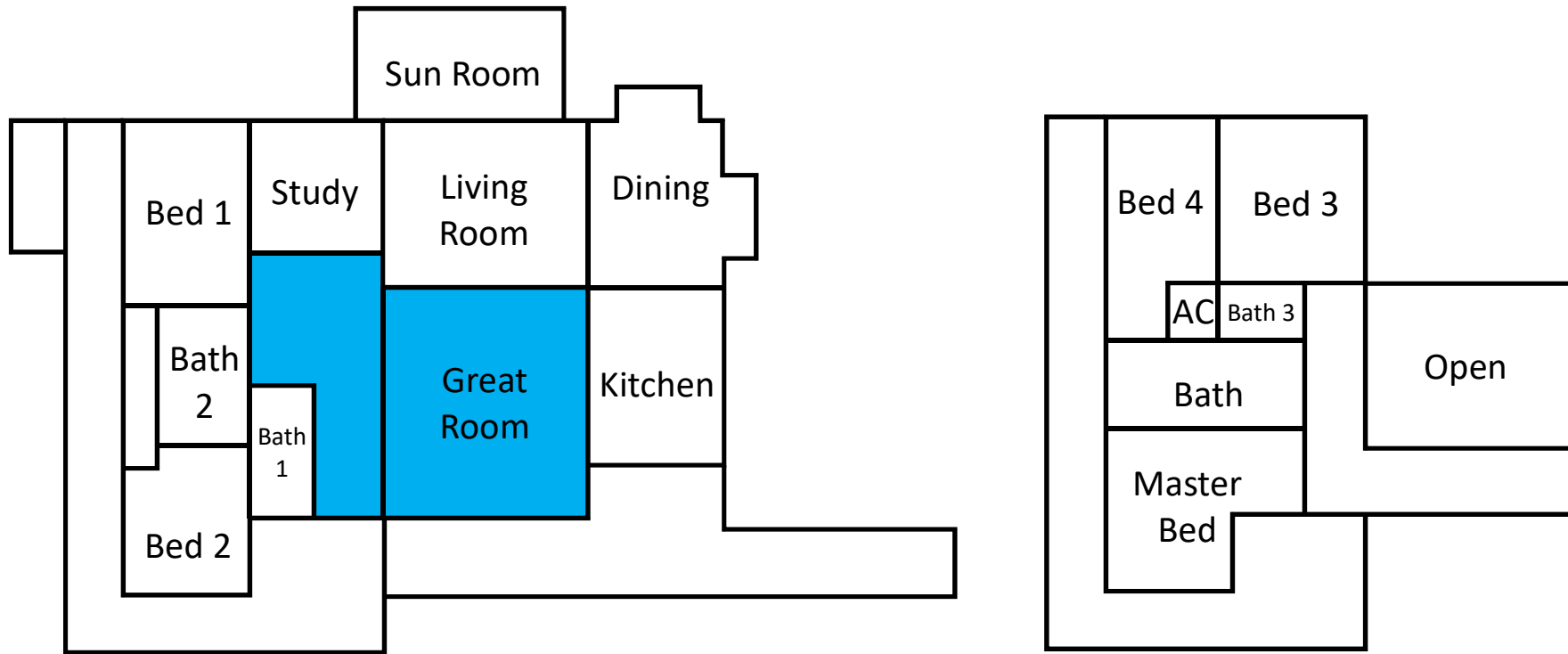



HM-P: Asphalt Shingle/Felt, Black

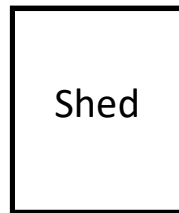
Title: Site Photographs 23-041434-AS
Site: 8801 Corkscrew Road, Estero, FL 33928
Date: April 21, 2023



ACM Location Map



 =HM-E/F: Ceramic Tile/Grout/Thin Set/
Felt, Red/Black



Drawing not to scale



8801 Corkscrew Road
Estero, FL 33928

American Management Resources Corporation
5230 Clayton Court, Fort Myers, Florida 33907



The Identification Specialists

Analysis Report
prepared for
American Management Resources Corporation

Report Date: 4/24/2023

Project Name: Village of Estero: 8801 Corkscrew Rd

Project #: 23-041434-AS

SanAir ID#: 23022186



NVLAP LAB CODE 600227-0

11709 Chesterdale Road | Cincinnati, Ohio 45246
888.895.1177 | 513.438.6006 | IAQ@SanAir.com | SanAir.com



SanAir ID Number

23022186

FINAL REPORT

4/24/2023 5:42:26 PM

Name: American Management Resources Corporation
Address: 5230 Clayton Court
Fort Myers, FL 33907
Phone: 239-936-8266

Project Number: 23-041434-AS

P.O. Number:

Project Name: Village of Estero: 8801 Corkscrew Rd

Collected Date: 4/21/2023

Received Date: 4/24/2023 10:05:00 AM

Dear Cassie Rahe,

We at SanAir would like to thank you for the work you recently submitted. The 36 sample(s) were received on Monday, April 24, 2023 via UPS. The final report(s) is enclosed for the following sample(s): 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36.

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,

Matthew Daigneault
Asbestos Laboratory Manager
SanAir Technologies Laboratory

Final Report Includes:

- Cover Letter
- Analysis Pages
- Disclaimers and Additional Information

Sample conditions:

- 36 samples in Good condition.



SanAir ID Number
23022186
 FINAL REPORT
 4/24/2023 5:42:26 PM

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Project Number: 23-041434-AS
P.O. Number:
Project Name: Village of Estero: 8801 Corkscrew Rd
Collected Date: 4/21/2023
Received Date: 4/24/2023 10:05:00 AM

Analyst: Chandler, Caroline

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
1 / 23022186-001 Ceiling Texture	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
2 / 23022186-002 Ceiling Texture	Grey Non-Fibrous Heterogeneous		100% Other	None Detected
3 / 23022186-003 Plaster Ceiling, Plaster	Grey Non-Fibrous Homogeneous	< 1% Cellulose	98% Other 2% Perlite	None Detected
3 / 23022186-003 Plaster Ceiling, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
4 / 23022186-004 Plaster Ceiling, Plaster	Grey Non-Fibrous Homogeneous	< 1% Cellulose	98% Other 2% Perlite	None Detected
4 / 23022186-004 Plaster Ceiling, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
5 / 23022186-005 Plaster Ceiling, Plaster	Grey Non-Fibrous Homogeneous	< 1% Cellulose	98% Other 2% Perlite	None Detected
5 / 23022186-005 Plaster Ceiling, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
6 / 23022186-006 6" Ceramic Tile/ Grout/ Thin Set, Ceramic Tile	Red Non-Fibrous Homogeneous		100% Other	None Detected
6 / 23022186-006 6" Ceramic Tile/ Grout/ Thin Set, Grout	Off-White Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Caroline Chandler*

Approved Signatory: *Jonathan Wilson*

Analysis Date: 4/24/2023

Date: 4/24/2023



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Analyst: Chandler, Caroline

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Components		Asbestos Fibers
	Appearance	% Fibrous / % Non-fibrous	
6 / 23022186-006 6" Ceramic Tile/ Grout/ Thin Set, Thin Set	Off-White Non-Fibrous Homogeneous	100% Other	None Detected
7 / 23022186-007 6" Ceramic Tile/ Grout/ Thin Set, Ceramic Tile	Red Non-Fibrous Homogeneous	100% Other	None Detected
7 / 23022186-007 6" Ceramic Tile/ Grout/ Thin Set, Grout	Off-White Non-Fibrous Homogeneous	100% Other	None Detected
7 / 23022186-007 6" Ceramic Tile/ Grout/ Thin Set, Thin Set	Off-White Non-Fibrous Homogeneous	100% Other	None Detected
8 / 23022186-008 Hexagon Ceramic Tile/ Grout/ Thin Set, Ceramic Tile	Brown Non-Fibrous Homogeneous	100% Other	None Detected
8 / 23022186-008 Hexagon Ceramic Tile/ Grout/ Thin Set, Grout	Grey Non-Fibrous Homogeneous	100% Other	None Detected
8 / 23022186-008 Hexagon Ceramic Tile/ Grout/ Thin Set, Thin Set	Grey Non-Fibrous Homogeneous	100% Other	None Detected
9 / 23022186-009 Hexagon Ceramic Tile/ Grout/ Thin Set, Ceramic Tile	Brown Non-Fibrous Homogeneous	100% Other	None Detected
9 / 23022186-009 Hexagon Ceramic Tile/ Grout/ Thin Set, Grout	Grey Non-Fibrous Homogeneous	100% Other	None Detected
9 / 23022186-009 Hexagon Ceramic Tile/ Grout/ Thin Set, Thin Set	Grey Non-Fibrous Homogeneous	100% Other	None Detected

Analyst: *Caroline Chandler*

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Analyst: Chandler, Caroline

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
10 / 23022186-010 12" Ceramic Tile/ Grout/ Thin Set, Ceramic Tile	Red Non-Fibrous Homogeneous		100% Other	None Detected
10 / 23022186-010 12" Ceramic Tile/ Grout/ Thin Set, Grout	Grey Non-Fibrous Homogeneous		100% Other	None Detected
10 / 23022186-010 12" Ceramic Tile/ Grout/ Thin Set, Thin Set	Grey Non-Fibrous Homogeneous		100% Other	None Detected
10 / 23022186-010 12" Ceramic Tile/ Grout/ Thin Set, Felt	Tan Fibrous Homogeneous		50% Other	50% Chrysotile
11 / 23022186-011 12" Ceramic Tile/ Grout/ Thin Set, Ceramic Tile	Red Non-Fibrous Homogeneous		100% Other	None Detected
11 / 23022186-011 12" Ceramic Tile/ Grout/ Thin Set, Grout	Grey Non-Fibrous Homogeneous		100% Other	None Detected
11 / 23022186-011 12" Ceramic Tile/ Grout/ Thin Set, Thin Set	Grey Non-Fibrous Homogeneous		100% Other	None Detected
11 / 23022186-011 12" Ceramic Tile/ Grout/ Thin Set, Felt				Not Analyzed
12 / 23022186-012 Ceramic Design Tile/ Grout/ Thin Set, Ceramic Tile	Red Non-Fibrous Homogeneous		100% Other	None Detected
12 / 23022186-012 Ceramic Design Tile/ Grout/ Thin Set, Grout	Black Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Caroline Chandler*
 Analysis Date: 4/24/2023

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Analyst: Chandler, Caroline

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic		Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous		
12 / 23022186-012 Ceramic Design Tile/ Grout/ Thin Set, Thin Set	Grey Non-Fibrous Homogeneous		100% Other		None Detected
12 / 23022186-012 Ceramic Design Tile/ Grout/ Thin Set, Felt	Tan Fibrous Homogeneous		50% Other		50% Chrysotile
13 / 23022186-013 Ceramic Design Tile/ Grout/ Thin Set, Ceramic Tile	Red Non-Fibrous Homogeneous		100% Other		None Detected
13 / 23022186-013 Ceramic Design Tile/ Grout/ Thin Set, Grout	Black Non-Fibrous Homogeneous		100% Other		None Detected
13 / 23022186-013 Ceramic Design Tile/ Grout/ Thin Set, Thin Set	Grey Non-Fibrous Homogeneous		100% Other		None Detected
13 / 23022186-013 Ceramic Design Tile/ Grout/ Thin Set, Felt					Not Analyzed
14 / 23022186-014 Interior Stucco	Grey Non-Fibrous Homogeneous	< 1% Cellulose	100% Other		None Detected
15 / 23022186-015 Interior Stucco	Grey Non-Fibrous Homogeneous	< 1% Cellulose	100% Other		None Detected
16 / 23022186-016 Interior Stucco	Grey Non-Fibrous Homogeneous	< 1% Cellulose	100% Other		None Detected
17 / 23022186-017 Brick/ Grout/ Thin Set, Brick	Red Non-Fibrous Homogeneous		100% Other		None Detected

Analyst: *Caroline Chandler* Approved Signatory: *Jonathan Wilson*
 Analysis Date: 4/24/2023 Date: 4/24/2023



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Analyst: Chandler, Caroline

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Components			Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
17 / 23022186-017 Brick/ Grout/ Thin Set, Grout	Black Non-Fibrous Homogeneous		100% Other	None Detected
17 / 23022186-017 Brick/ Grout/ Thin Set, Thin Set	Grey Non-Fibrous Homogeneous		100% Other	None Detected
18 / 23022186-018 Brick/ Grout/ Thin Set, Brick	Red Non-Fibrous Homogeneous		100% Other	None Detected
18 / 23022186-018 Brick/ Grout/ Thin Set, Grout	Black Non-Fibrous Homogeneous		100% Other	None Detected
18 / 23022186-018 Brick/ Grout/ Thin Set, Thin Set	Grey Non-Fibrous Homogeneous		100% Other	None Detected
19 / 23022186-019 Plaster Wall, Plaster	Grey Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected
19 / 23022186-019 Plaster Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
20 / 23022186-020 Plaster Wall, Plaster	Grey Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected
20 / 23022186-020 Plaster Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
21 / 23022186-021 Plaster Wall, Plaster	Grey Non-Fibrous Homogeneous	< 1% Cellulose	100% Other	None Detected

Analyst: *Caroline Chandler* Approved Signatory: *Jonathan Wilson*
 Analysis Date: 4/24/2023 Date: 4/24/2023



SanAir ID Number
23022186
 FINAL REPORT
 4/24/2023 5:42:26 PM

Name: American Management Resources Corporation
Address: 5230 Clayton Court
 Fort Myers, FL 33907
Phone: 239-936-8266

Project Number: 23-041434-AS
P.O. Number:
Project Name: Village of Estero: 8801 Corkscrew Rd
Collected Date: 4/21/2023
Received Date: 4/24/2023 10:05:00 AM

Analyst: Chandler, Caroline

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Components			Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
21 / 23022186-021 Plaster Wall, Skim Coat	White Non-Fibrous Homogeneous		100% Other	None Detected
22 / 23022186-022 8" Ceramic Tile/ Grout/ Thin Set, Ceramic Tile	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
22 / 23022186-022 8" Ceramic Tile/ Grout/ Thin Set, Grout	Beige Non-Fibrous Homogeneous		100% Other	None Detected
22 / 23022186-022 8" Ceramic Tile/ Grout/ Thin Set, Thin Set	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
23 / 23022186-023 8" Ceramic Tile/ Grout/ Thin Set, Ceramic Tile	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
23 / 23022186-023 8" Ceramic Tile/ Grout/ Thin Set, Grout	Beige Non-Fibrous Homogeneous		100% Other	None Detected
23 / 23022186-023 8" Ceramic Tile/ Grout/ Thin Set, Thin Set	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
24 / 23022186-024 Rolled Asphalt with Felt, Tar Insulation, Rolled Asphalt	Black Non-Fibrous Heterogeneous	10% Synthetic	90% Other	None Detected
24 / 23022186-024 Rolled Asphalt with Felt, Tar Insulation, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
24 / 23022186-024 Rolled Asphalt with Felt, Tar Insulation, Tar Paper	Black Non-Fibrous Homogeneous	15% Glass	85% Other	None Detected

Analyst: *Caroline Chandler* Approved Signatory: *Jonathan Wilson*
 Analysis Date: 4/24/2023 Date: 4/24/2023



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Project Number: 23-041434-AS
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Collected Date: 4/21/2023
Received Date: 4/24/2023 10:05:00 AM

Analyst: Chandler, Caroline

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
24 / 23022186-024 Rolled Asphalt with Felt, Tar Insulation, Insulation	Brown Fibrous Homogeneous	90% Cellulose	5% Other 5% Perlite	None Detected
25 / 23022186-025 Rolled Asphalt with Felt, Tar Insulation, Rolled Asphalt	Black Non-Fibrous Heterogeneous	10% Synthetic	90% Other	None Detected
25 / 23022186-025 Rolled Asphalt with Felt, Tar Insulation, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
25 / 23022186-025 Rolled Asphalt with Felt, Tar Insulation, Tar Paper	Black Non-Fibrous Homogeneous	15% Glass	85% Other	None Detected
25 / 23022186-025 Rolled Asphalt with Felt, Tar Insulation, Insulation	Brown Fibrous Homogeneous	90% Cellulose	5% Other 5% Perlite	None Detected
26 / 23022186-026 Duct Mastic	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
27 / 23022186-027 Duct Mastic	Off-White Non-Fibrous Homogeneous		100% Other	None Detected
28 / 23022186-028 Barrel Tile/ Mortar, Barrel Tile	Red Non-Fibrous Homogeneous		100% Other	None Detected
28 / 23022186-028 Barrel Tile/ Mortar, Mortar	Grey Non-Fibrous Homogeneous		100% Other	None Detected
29 / 23022186-029 Barrel Tile/ Mortar, Barrel Tile	Red Non-Fibrous Homogeneous		100% Other	None Detected

Analyst: *Caroline Chandler*

Approved Signatory: *Jonathan Wilson*

Analysis Date: 4/24/2023

Date: 4/24/2023



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Name: American Management Resources Corporation
Address: 5230 Clayton Court
 Fort Myers, FL 33907
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Project Number: 23-041434-AS
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Project Name: Village of Estero: 8801 Corkscrew Rd
Collected Date: 4/21/2023
Received Date: 4/24/2023 10:05:00 AM

Analyst: Chandler, Caroline

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic Components			Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
29 / 23022186-029 Barrel Tile/ Mortar, Mortar	Grey Non-Fibrous Homogeneous		100% Other	None Detected
30 / 23022186-030 Rolled Asphalt, Rolled Asphalt	Black Non-Fibrous Heterogeneous	15% Cellulose 10% Synthetic	75% Other	None Detected
30 / 23022186-030 Rolled Asphalt, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
30 / 23022186-030 Rolled Asphalt, Tar Paper	Black Fibrous Homogeneous	40% Cellulose	60% Other	None Detected
31 / 23022186-031 Rolled Asphalt, Rolled Asphalt	Black Non-Fibrous Heterogeneous	15% Cellulose 10% Synthetic	75% Other	None Detected
31 / 23022186-031 Rolled Asphalt, Tar	Black Non-Fibrous Homogeneous		100% Other	None Detected
31 / 23022186-031 Rolled Asphalt, Tar Paper	Black Fibrous Homogeneous	40% Cellulose	60% Other	None Detected
32 / 23022186-032 Exterior Stucco	Grey Non-Fibrous Heterogeneous	< 1% Cellulose	100% Other	None Detected
33 / 23022186-033 Exterior Stucco	Grey Non-Fibrous Heterogeneous	< 1% Cellulose	100% Other	None Detected
34 / 23022186-034 Exterior Stucco	Grey Non-Fibrous Heterogeneous	< 1% Cellulose	100% Other	None Detected

Analyst: *Caroline Chandler* Approved Signatory: *Jonathan Wilson*
 Analysis Date: 4/24/2023 Date: 4/24/2023



SanAir ID Number
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Name: American Management Resources Corporation
Address: 5230 Clayton Court
 Fort Myers, FL 33907
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Project Number: 23-041434-AS
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Project Name: Village of Estero: 8801 Corkscrew Rd
Collected Date: 4/21/2023
Received Date: 4/24/2023 10:05:00 AM

Analyst: Chandler, Caroline

Asbestos Bulk PLM EPA 600/R-93/116

SanAir ID / Description	Stereoscopic	Components		Asbestos Fibers
	Appearance	% Fibrous	% Non-fibrous	
35 / 23022186-035 Asphalt Shingle with Felt, Shingle	Black Non-Fibrous Heterogeneous	5% Glass	95% Other	None Detected
35 / 23022186-035 Asphalt Shingle with Felt, Felt	Black Fibrous Homogeneous	40% Cellulose	60% Other	None Detected
36 / 23022186-036 Asphalt Shingle with Felt, Shingle	Black Non-Fibrous Heterogeneous	5% Glass	95% Other	None Detected
36 / 23022186-036 Asphalt Shingle with Felt, Felt	Black Fibrous Homogeneous	40% Cellulose	60% Other	None Detected

Analyst: *Caroline Chandler*
 Analysis Date: 4/24/2023

Approved Signatory: *Jonathan Wilson*
 Date: 4/24/2023

Disclaimer

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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.

Asbestos Accreditations, Licenses, or Certificates

NVLAP Lab Code 600227-0

State of Rhode Island Department of Health, Certification Number: PLM00144, TEM00144

State of West Virginia Bureau for Public Health, Analytical Laboratory Number: LT000637



11709 Chesterdale Road
 Cincinnati, OH 45249
 804.897.1177 / 888.895.1177
 Fax 804.897.0070
 sanair.com

Asbestos
 Chain of Custody
 Form 140, Rev 0. 7/9/18

SanAir ID Number
 23022186

Company:	AMRC	Project #:	23-041434-AS	Collected by:	ZM/JE
Address:	5230 Clayton Ct.	Project Name:	Village of Estero: 8801 Corkscrew Rd	Phone #:	239-936-8266
City, St., Zip:	Fort Myers, FL 33907	Date Collected:	4/21/2023	Fax #:	239-936-0737
State of Collection: FL	Account #: 2138	P.O. Number:		Email:	cassie@amrcfl.com

Bulk			Air			Soil		
ABB	PLM EPA 600/R-93/116	<input checked="" type="checkbox"/>	ABA	PCM NIOSH 7400	<input type="checkbox"/>	ABSE	PLM EPA 600/R-93/116 (Qual.)	<input type="checkbox"/>
	Positive Stop	<input checked="" type="checkbox"/>	ABA-2	OSHA w/ TWA*	<input type="checkbox"/>	Vermiculite & Soil		
ABEPA	PLM EPA 400 Point Count	<input type="checkbox"/>	ABTEM	TEM AHERA	<input type="checkbox"/>	ABSP	PLM CARB 435 (LOD <1%)	<input type="checkbox"/>
ABB1K	PLM EPA 1000 Point Count	<input type="checkbox"/>	ABATN	TEM NIOSH 7402	<input type="checkbox"/>	ABSP1	PLM CARB 435 (LOD 0.25%)	<input type="checkbox"/>
ABBEN	PLM EPA NOB**	<input type="checkbox"/>	ABT2	TEM Level II	<input type="checkbox"/>	ABSP2	PLM CARB 435 (LOD 0.1%)	<input type="checkbox"/>
ABBCH	TEM Chatfield**	<input type="checkbox"/>	Other:		<input type="checkbox"/>	Dust		
ABBTM	TEM EPA NOB**	<input type="checkbox"/>	New York ELAP			ABWA	TEM Wipe ASTM D-6480	<input type="checkbox"/>
ABQ	PLM Qualitative	<input type="checkbox"/>	PLM NY	PLM EPA 600/M4-82-020	<input type="checkbox"/>	ABDMV	TEM Microvac ASTM D-5755	<input type="checkbox"/>
** Available on 24-hr. to 5-day TAT			ABEPA2	NY ELAP 198.1	<input type="checkbox"/>	Matrix Other		
Water			ABENY	NY ELAP 198.6 PLM NOB	<input type="checkbox"/>			
ABHE	EPA 100.2	<input type="checkbox"/>	ABBNY	NY ELAP 198.4 TEM NOB	<input type="checkbox"/>			

Turn Around Times	3 HR (4 HR TEM) <input type="checkbox"/>	6 HR (8HR TEM) <input type="checkbox"/>	12 HR <input checked="" type="checkbox"/>	24 HR <input type="checkbox"/>
	<input type="checkbox"/> 2 Days	<input type="checkbox"/> 3 Days	<input type="checkbox"/> 4 Days	<input type="checkbox"/> 5 Days

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start-Stop Time*
1	Ceiling Texture, Gray				
2	Ceiling Texture, Gray				
3	Plaster Ceiling, Gray				
4	Plaster Ceiling, Gray				
5	Plaster Ceiling, Gray				
6	6" Ceramic Tile/Grout/Thin Set, Red				
7	6" Ceramic Tile/Grout/Thin Set, Red				
8	Hexagon Ceramic Tile/Grout/Thin Set, Brown				
9	Hexagon Ceramic Tile/Grout/Thin Set, Brown				
10	12" Ceramic Tile/Grout/Thin Set, Red				
11	12" Ceramic Tile/Grout/Thin Set, Red				
12	Ceramic Design Tile/Grout/Thin Set, Red				

Relinquished by	Date	Time	Received by	Date	Time
D.C.	4/21/2023		[Signature]	APR 24 2023	10:05am

If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.

23022186

Form 140, Revision 1, 1/20/2017

Special Instructions

Sample #	Sample Identification/Location	Volume or Area	Sample Date	Flow Rate*	Start-Stop Time*
13	Ceramic Design Tile/Grout/Thin Set, Red				
14	Interior Stucco, Gray				
15	Interior Stucco, Gray				
16	Interior Stucco, Gray				
17	Brick/Grout/Thin Set, Red				
18	Brick/Grout/Thin Set, Red				
19	Plaster Wall, Gray				
20	Plaster Wall, Gray				
21	Plaster Wall, Gray				
22	8" Ceramic Tile/Grout/Thin Set, Off White				
23	8" Ceramic Tile/Grout/Thin Set, Off White				
24	Rolled Asphalt with Felt, Tar Insulation, Black				
25	Rolled Asphalt with Felt, Tar Insulation, Black				
26	Duct Mastic, Gray				
27	Duct Mastic, Gray				
28	Barrel Tile/Mortar, Red				
29	Barrel Tile/Mortar, Red				
30	Rolled Asphalt, Black				
31	Rolled Asphalt, Black				
32	Exterior Stucco, Gray				
33	Exterior Stucco, Gray				
34	Exterior Stucco, Gray				
35	Asphalt Shingle with Felt, Black				
36	Asphalt Shingle with Felt, Black				
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					

Relinquished by D.C.	Date 4/21/2023	Time	Received by RMB	Date APR 24 2023	Time 10:05am
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If no technician is provided, then the primary contact for your account will be selected. Unless scheduled, the turnaround time for all samples received after 3 pm EST Friday will begin at 8 am Monday morning. Weekend or holiday work must be scheduled ahead of time and is charged for rush turnaround time. SanAir covers Standard Overnight FedEx shipping. Shipments billed to SanAir with a faster shipping rate will result in additional charges.



Ron DeSantis, Governor

Melanie S. Griffin, Secretary



STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

ASBESTOS LICENSING UNIT

THE ASBESTOS CONSULTANT HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 469, FLORIDA STATUTES

SNIDER, JACK M III

AMERICAN MANAGEMENT RESOURCES CORPORATION
5230 CLAYTON CT
FORT MYERS FL 33907

LICENSE NUMBER: AX57

EXPIRATION DATE: NOVEMBER 30, 2024

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Certifies that

Zachary Middleby

Has successfully completed and satisfactorily passed an examination for the

Asbestos Inspector Refresher Course

Conducted 5/20/2022

Certificate #: 6017

Provider #: 0001626

Expiration Date: 5/20/2023



AMERICAN MANAGEMENT RESOURCES CORPORATION
5230 Clayton Court • Fort Myers • Florida • 33907 • Phone (239) 936-8266

Jack Snider III

Jack Snider, III, Course Instructor