

Today's Date: 8/14/2014

Project Number: 20142092

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Prepared For:

Lori Soto
City Of Miami
444 South West 2nd Avenue
Miami FL 33130

Job Site:

Residential Dwellings
1301 North West 111th Street
1115 North East 13th Avenue
1075 North East 149th Street
1095 North East 149th Street
14950 North East 11th Avenue
Miami, FL

Asbestos Survey — Project Summary

Pursuant to your request; ARS Environmental, Inc., has performed an Asbestos Building Survey on 8/13/2014 and limited to the above referenced location.

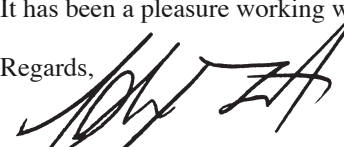
The **Interior/Exterior/Roof** of the above referenced location was visually inspected to identify building materials that may contain asbestos. Suspect materials were collected and samples sent to laboratory for analysis.

Laboratory Results

Based On The Laboratory Analysis, No Asbestos Was Detected In Amounts Greater Than 1% In The Secured Bulk Samples.

It has been a pleasure working with you. Please call on us again.

Regards,



Alex Front,
ARS Environmental, Inc.

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Miami, FL

Asbestos Survey — Certification

I hereby certify that this asbestos survey was conducted at the above referenced Job Site on 8/13/2014, and performed by Jeffrey Montalvan, accredited by the EPA as AHERA Inspector(s), utilizing the code of the Federal Regulation Standards, 40 CFR, Part 763, Subpart E, Section 763.80-763.99 and the State Asbestos Regulations, Florida Statutes 469.003.

STATE OF FLORIDA DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION ASBESTOS LICENSING UNIT	
LICENSE NUMBER	
ZA0000164	
The ASBESTOS BUSINESS ORGANIZATION Named below IS LICENSED Under the provisions of Chapter 469 FS. Expiration date: NOV 30, 2015	
ARS ENVIRONMENTAL, INC. TIMOTHY CAUGHEY 10097 CLEARY BOULEVARD PLANTATION FL 33324	
	
	

RICK SCOTT
GOVERNOR

ISSUED: 09/03/2013 SEQ# L1309030002224
DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY



Timothy F. Caughey, M.P.H.
Florida Licensed Consultant

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Asbestos Survey — Technician Certification



Jeffrey Montalvan
Certified Asbestos Surveyor
ARS Environmental, Inc.

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Prepared For: Lori Soto City Of Miami 444 South West 2nd Avenue Miami FL 33130	Job Site: Residential Dwellings 1301 North West 111th Street 1115 North East 13th Avenue 1075 North East 149th Street 1095 North East 149th Street 14950 North East 11th Avenue Miami, FL
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Asbestos Survey — Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Positive Stop	Asbestos Detected
Sample 1	Surfacing Material	Poor	Yes	Yes	High	Non-friable	24,342 Sq. Ft.		Asbestos Not Detected
Layer	Interior Plaster Coat	Buildings 1075, 1095, 14950 Throughout Walls And Ceilings							
Sample 2	Surfacing Material	Poor	Yes	Yes	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Interior Plaster Coat	Buildings 1075, 1095, 14950 Throughout Walls And Ceilings							
Sample 3	Surfacing Material	Poor	Yes	Yes	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Interior Plaster Coat	Buildings 1075, 1095, 14950 Throughout Walls And Ceilings							
Sample 4	Surfacing Material	Poor	Yes	Yes	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Interior Plaster Coat	Buildings 1075, 1095, 14950 Throughout Walls And Ceilings							
Sample 5	Surfacing Material	Poor	Yes	Yes	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Interior Plaster Coat	Buildings 1075, 1095, 14950 Throughout Walls And Ceilings							
Sample 6	Surfacing Material	Poor	Yes	Yes	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Interior Plaster Coat	Buildings 1075, 1095, 14950 Throughout Walls And Ceilings							

The following non-suspect materials were observed during the survey (no samples were taken): Yellow fiberglass insulation observed behind the walls. Ceramic tiles, terrazzo floors, wood, metal.

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Asbestos Survey — Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Positive Stop	Asbestos Detected
Sample 7	Surfacing Material	Poor	Yes	Yes	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Interior Plaster Coat	Buildings 1075, 1095, 14950 Throughout Walls And Ceilings							
Sample 8	Surfacing Material	Poor	Yes	Yes	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Interior Plaster Coat	Buildings 1075, 1095, 14950 Throughout Walls And Ceilings							
Sample 9	Surfacing Material	Poor	Yes	Yes	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Interior Plaster Coat	Buildings 1075, 1095, 14950 Throughout Walls And Ceilings							
Sample 10	Surfacing Material	Poor	Yes	Yes	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Interior Plaster Coat	Buildings 1075, 1095, 14950 Throughout Walls And Ceilings							
Sample 11	Miscellaneous	Poor	Yes	Yes	High	Friable	24,342 Sq. Ft.		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1075, 1095, 1450 Throughout Walls And Ceilings Behind Plaster Coat							
Sample 12	Miscellaneous	Poor	Yes	Yes	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1075, 1095, 1450 Throughout Walls And Ceilings Behind Plaster Coat							

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Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Positive Stop	Asbestos Detected
Sample 13	Miscellaneous	Poor	Yes	Yes	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1075, 1095, 1450 Throughout Walls And Ceilings Behind Plaster Coat							
Sample 14	Miscellaneous	Poor	Yes	Yes	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1075, 1095, 1450 Throughout Walls And Ceilings Behind Plaster Coat							
Sample 15	Miscellaneous	Poor	Yes	Yes	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1075, 1095, 1450 Throughout Walls And Ceilings Behind Plaster Coat							
Sample 16	Miscellaneous	Poor	Yes	Yes	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1075, 1095, 1450 Throughout Walls And Ceilings Behind Plaster Coat							
Sample 17	Miscellaneous	Poor	Yes	Yes	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1075, 1095, 1450 Throughout Walls And Ceilings Behind Plaster Coat							
Sample 18	Miscellaneous	Poor	Yes	Yes	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1075, 1095, 1450 Throughout Walls And Ceilings Behind Plaster Coat							

The following non-suspect materials were observed during the survey (no samples were taken): Yellow fiberglass insulation observed behind the walls. Ceramic tiles, terrazzo floors, wood, metal.

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Asbestos Survey — Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Positive Stop	Asbestos Detected
Sample 19	Miscellaneous	Poor	Yes	Yes	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1075, 1095, 1450 Throughout Walls And Ceilings Behind Plaster Coat							
Sample 20	Miscellaneous	Poor	Yes	Yes	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1075, 1095, 1450 Throughout Walls And Ceilings Behind Plaster Coat							
Sample 21	Miscellaneous	Good	None	None	High	Non-friable	1,872 Sq. Ft.		Asbestos Not Detected
Layer	12" X 12" Floor Tiles; Beige Mastic	Building 1301 Throughout Floors							
Sample 22	Miscellaneous	Good	None	None	High	Non-friable	Included Above		Asbestos Not Detected
Layer	12" X 12" Floor Tiles; Beige Mastic	Building 1301 Throughout Floors							
Sample 23	Miscellaneous	Good	None	None	High	Non-friable	Included Above		Asbestos Not Detected
Layer	12" X 12" Floor Tiles; Beige Mastic	Building 1301 Throughout Floors							
Sample 24	Miscellaneous	Good	None	None	High	Non-friable	Included Above		Asbestos Not Detected
Layer	12" X 12" Floor Tiles; Beige Mastic	Building 1301 Throughout Floors							

The following non-suspect materials were observed during the survey (no samples were taken): Yellow fiberglass insulation observed behind the walls. Ceramic tiles, terrazzo floors, wood, metal.

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Asbestos Survey — Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Positive Stop	Asbestos Detected
Sample 25	Miscellaneous	Good	None	None	High	Non-friable	Included Above		Asbestos Not Detected
Layer	12" X 12" Floor Tiles; Beige Mastic	Building 1301 Throughout Floors							
Sample 26	Miscellaneous	Poor	Yes	None	High	Friable	9,748 Sq. Ft.		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1301 - 1115 Throughout Walls And Ceilings							
Sample 27	Miscellaneous	Poor	Yes	None	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1301 - 1115 Throughout Walls And Ceilings							
Sample 28	Miscellaneous	Poor	Yes	None	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1301 - 1115 Throughout Walls And Ceilings							
Sample 29	Miscellaneous	Poor	Yes	None	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1301 - 1115 Throughout Walls And Ceilings							
Sample 30	Miscellaneous	Poor	Yes	None	High	Friable	Included Above		Asbestos Not Detected
Layer	Wallboard / Joint Compound	Buildings 1301 - 1115 Throughout Walls And Ceilings							

The following non-suspect materials were observed during the survey (no samples were taken): Yellow fiberglass insulation observed behind the walls. Ceramic tiles, terrazzo floors, wood, metal.

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Asbestos Survey — Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Positive Stop	Asbestos Detected
Sample 31	Miscellaneous	Good	None	None	High	Non-friable	21,200 Sq. Ft.		Asbestos Not Detected
Layer	Concrete Structure	Throughout Floors And Ceilings							
Sample 32	Miscellaneous	Good	None	None	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Concrete Structure	Throughout Floors And Ceilings							
Sample 33	Miscellaneous	Good	None	None	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Concrete Structure	Throughout Floors And Ceilings							
Sample 34	Miscellaneous	Good	None	None	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Concrete Structure	Throughout Floors And Ceilings							
Sample 35	Miscellaneous	Good	None	None	High	Non-friable	Included Above		Asbestos Not Detected
Layer	Concrete Structure	Throughout Floors And Ceilings							
Sample 36	Miscellaneous	Fair	Yes	Yes	Low	Non-friable	7,500 Sq. Ft.		Asbestos Not Detected
Layer	Roof Material; Shingles	Buildings 14950 And 1075 Over Buildings							

The following non-suspect materials were observed during the survey (no samples were taken): Yellow fiberglass insulation observed behind the walls. Ceramic tiles, terrazzo floors, wood, metal.

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Asbestos Survey — Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Positive Stop	Asbestos Detected
37	Miscellaneous	Fair	Yes	Yes	Low	Non-friable	Included Above		Asbestos Not Detected
Layer	Roof Material; Shingles	Buildings 14950 And 1075 Over Buildings							

The following non-suspect materials were observed during the survey (no samples were taken): Yellow fiberglass insulation observed behind the walls. Ceramic tiles, terrazzo floors, wood, metal.

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Friable Asbestos Containing Material

Sample Number	Description / Material Class	Location	Approximate Size	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Asbestos Detected
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NONE DETECTED

Recommendations

Friable: any material containing more than one percent asbestos which has been applied on ceilings, walls, structural members, piping, duct work, or any other part of a building, which when dry, may be crumbled, pulverized, or reduced to powder by hand pressure.

The following work practice should be followed whenever demolition/renovation activities involving RACM occur: Notify EPA of intention to demolish/renovate, remove all RACM from a facility being demolished or renovated before any disruptive activity begins or before access to the material is precluded, keep RACM adequately wet before, during, and after removal operations, conduct demolition/renovation activities in a manner which produces no visible emissions to the outside air, and handle and dispose of all RACM in an approved manner.

The above building material is considered friable and must be removed by a Florida Licensed Asbestos Abatement Contractor, prior to any disturbance caused by renovation or demolition.

When implementing the response actions, parties responsible for final selection should remember that actions shall be sufficient to protect human health and the environment, but may also be the least burdensome method. Nothing in these recommendations should be construed as prohibiting or discouraging removal.

In the event that demolition or renovation is deemed necessary, parties shall comply with all applicable laws, ordinances, rules and regulations of Federal, State and Local Governmental Agencies, including any National Emissions Standard Hazardous Air Pollutants (N.E.S.H.A.P.) Notification requirements

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Category I - Non-Friable Asbestos Containing Material

Sample Number	Description / Material Class	Location	Approximate Size	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Asbestos Detected
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NONE DETECTED

Recommendations

The above referenced Asbestos Contained Building Materials may be left in place if deemed to be in good condition and no repairs or renovations are scheduled which would disturb them. Care should be taken to ensure that the materials not be disturbed during repair, renovation or remodeling activities which could possibly release fibers into the air. To reduce the intrinsic liability to the owners, the ultimate solution may be to have the material removed. However, at the minimum, a formal Operations and Maintenance (O&M) Program is recommended to minimize potential fiber releases, monitor any future deterioration, and to ensure proper record keeping.

Under the FDEP regulations, Category I non-friable asbestos-containing materials may be left in place during demolition under wet conditions. However, OSHA regulations require that disposal of asbestos-containing materials and debris is disposed of in a leak-tight and labeled container. The container may be plastic bags so long as the holding is leak-tight. All materials must be disposed of in a Class I landfill and manifest as Category I Non-Friable Asbestos containing material.

To meet the requirements of a wet demolition, it is the responsibility of the demolition contractor to control any visible emissions by adequately applying water on the structure. Furthermore, the work practices for the demolition of a building containing asbestos must be in regulatory compliance with OSHA 1926.1101. All materials must be kept thoroughly wet or saturated during the demolition to assist in preventing the release of asbestos fibers. A certified asbestos supervisor must perform or supervise the work. If during the demolition process visible emissions are observed, the asbestos-containing materials must then be abated.

The regulations of the Occupational Safety and Health Administration (OSHA) applies to any detectable amount of asbestos in building materials or on facility components. This requirement covers worker training, work practices, and disposal methods. In summary, removing asbestos in a commercial setting requires training, specific work practices, and disposal methods for the asbestos and asbestos-containing debris.

However, if Category I Materials have become friable or are in poor condition, they must be removed before demolition or renovation begins by a Florida Licensed Asbestos Abatement Contractor.

When implementing the response actions, parties responsible for final selection should remember that actions shall be sufficient to protect human health and the environment, but may also be the least burdensome method. Nothing in these recommendations should be construed as prohibiting or discouraging removal.

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Category II - Non-Friable Asbestos Containing Material

Sample Number	Description / Material Class	Location	Approximate Size	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Asbestos Detected
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NONE DETECTED

Recommendations

The above referenced Asbestos Contained Building Materials may be left in place if deemed to be in good condition & no repairs or renovations are scheduled which would disturb them. Care should be taken to ensure that the materials not be disturbed during repair, renovation or remodeling activities which could possibly release fibers into the air. To reduce the intrinsic liability to the owners, the ultimate solution may be to have the material removed.

The above building materials are considered Category II Non-Friable and are likely to become crushed, crumbled, pulverized or reduced to powder during demolition or renovation therefore must be removed before demolition or renovation begins by a Florida Licensed Asbestos Abatement Contractor.

To meet the requirements of a wet demolition, it is the responsibility of the demolition contractor to control any visible emissions by adequately applying water on the structure. Furthermore, the work practices for the demolition of a building containing asbestos must be in regulatory compliance with OSHA 1926.1101. All materials must be kept thoroughly wet or saturated during the demolition to assist in preventing the release of asbestos fibers. A certified asbestos supervisor must perform or supervise the work. If during the demolition process visible emissions are observed, the asbestos-containing materials must then be abated.

The regulations of the Occupational Safety and Health Administration (OSHA) applies to any detectable amount of asbestos in building materials or on facility components. This requirement covers worker training, work practices, and disposal methods. In summary, removing asbestos in a commercial setting requires training, specific work practices, and disposal methods for the asbestos and asbestos-containing debris.

However, if Category II Materials have become friable or are in poor condition, they must be removed before demolition or renovation begins by a Florida Licensed Asbestos Abatement Contractor.

When implementing the response actions, parties responsible for final selection should remember that actions shall be sufficient to protect human health and the environment, but may also be the least burdensome method. Nothing in these recommendations should be construed as prohibiting or discouraging removal.

General Terms and Conditions

Scope of Work

ARS Environmental's inspections are limited and non-destructive in nature. Any conditions or materials which were not able to be visually observed on the surface, or in easily accessible areas, were not inspected and may differ from those observed. It was not within the scope of this investigation to remove surface materials to investigate portions of the structure or materials which lay beneath the surface. Our selection of sample locations and frequency is based upon our observations and the assumption that like materials in the same area are homogeneous. This inspection report is the result of a diligent search of the facility for Asbestos Containing Building Materials (ACBM). The purpose of this inspection was to identify those materials which may pose a health hazard to occupants of a building and impart future liability to the owners and insurers of the property. However, we do not claim to have identified all of the asbestos containing building materials present in the facility. Materials such as underground pipes, any material inside walls, ceilings, floors, or other enclosed and inaccessible areas were not sampled and are not covered in this report. This report is designed to aid the building owner, architect, construction manager, general contractor, and potential asbestos abatement contractor in locating asbestos containing building materials. Under no circumstances is this report to be utilized as a proposal or a project specification document. This report is based upon conditions and practices observed at the property and information made available to the surveyor. This report does not intend to identify all hazards or unsafe practices, nor to indicate that other hazards or unsafe practices do not exist at the premises. In the event that demolition or renovation is deemed necessary, parties shall comply with all applicable laws, ordinances, rules, and regulations of federal, state, and local governmental agencies, including any National Emissions Standard Hazardous Air Pollutants (NESHAP) notification requirements.

Right of Entry

The client will provide for right of entry to ARS Environmental's personnel in order to complete the above referenced work.

Invoices

ARS Environmental will submit invoices to client upon completion of services.

Ownership of Documents

All reports, field data, field notes, laboratory tests data, calculations, estimates, and any other documents prepared by ARS Environmental as instruments of service shall remain the property of ARS Environmental.

Assumptions and Limitations

The results, findings, conclusions, and recommendations expressed in this report are based only on conditions which were observed during inspections by this report. ARS Environmental makes no representation or assumptions as to past conditions or future occurrences.

Assigns

Neither the client nor ARS Environmental may delegate, assign, sublet or transfer his duties or interest in this agreement without the written consent of the other party.

Roof Cuts

To obtain accurate information in a roof investigation, roof cuts approximately four inch 4" squares, may be deemed necessary. It is the responsibility of our client to make appropriate repairs to these roof cuts, using materials consistent with the roofing system and in accordance with any existing material manufacturer's warranties. A roofing contractor or maintenance personnel selected by our client should be on the roof to make any necessary repairs at the time the samples are being obtained. Although, every attempt will be made to make these repaired areas water tight, ARS Environmental will in no way be responsible for any water damage to the roofing system, building, or it's contents resulting from ARS Environmental temporary repairs.

Disclaimer

If in the course of a renovation or demolition activity, suspect materials become exposed, ALL FURTHER ACTIVITY SHOULD IMMEDIATELY CEASE AND THE STATUS OF THE MATERIAL SHOULD BE DETERMINED BEFORE PROCEEDING.

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Asbestos Survey — Technician Chain of Custody Forms and Field Notes

P.2

ARS ENVIRONMENTAL, INC.
CHAIN OF CUSTODY

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PLM Analysis: Asbestos Bulk Samples

Positive Stop Requested
Point Count Requested On Friable Materials That Report Less Than 1%

Turnaround Time Requested: Same Day • 24 Hour • 48 Hour • 72 Hour

Sampling Date: 8/13/14

Project Location: APARTMENT BLDGS. (QUADRUPLES)

Samples Taken By: J. MONTALVAN

1301 NE 111 ST, 1115 NE 13 AVE, 1075, 1095 NE 149 ST, 14950 NE-11 AVE

Project Number: 2014-2092

INT
 EXT
 ROOF

MIAMI FL

Sample Layer	Material Class	Sample Description	Sample Location	Approx. Size	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability
1	S	INTERIOR PASTEL COAT	THROUGHOUT THE WALLS AND CEILING INSIDE BLDGS #1075 AND 14950	24342	P	Y	Y	H	NF
2	S	" "	" "	IA					
3	S	" "	" "	IA					
4	S	" "	" "	IA					
5	S	" "	" "	IA					
6	S	" "	" "	IA					
7	S	" "	" "	IA					
8	S	" "	" "	IA					
9	S	" "	" "	IA					
10	S	" "	" "	IA					

Material Class: S- Surfacing Materials To Thermal Insulation (FBI) M-Miscellaneous Materials

Friability: NF-Category I or Category II Non-Friable Material (Material that, when dry, may not be crumbled, pulverized, or reduced to powder by hand pressure.) P-(Material that may be crumbled, pulverized, or reduced to powder by hand pressure when dry.)

Transferred By: [Signature] Date: 8/13/14

Received By: [Signature] Date: 8/13/14

10097 Cleary Boulevard • #305 • Plantation, FL 33324 • Toll Free: 877-227-2401 • Phone: 954-227-2402 • Fax: 866-816-5110

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Asbestos Survey — Technician Chain of Custody Forms and Field Notes

ARS ENVIRONMENTAL, INC.
CHAIN OF CUSTODY

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PLM Analysis: Asbestos Bulk Samples

Positive Stop Requested
Point Count Requested On Friable Materials That Report Less Than 1%

Turnaround Time Requested: Same Day • 24 Hour • 48 Hour • 72 Hour

Sampling Date: 8/13/14

Project Location: APARTMENT BLDGS. (QUADRUPLES)

Samples Taken By: J. MONTALVAN

1301 NE 111 ST, 115 NE 13 AVE, 1075, 1095 NE 149 ST, 14950 NE 11 AVE

Project Number: 2014-2092

INT
 EXT
 ROOF

MIAMI FL

Sample Layer	Material Class	Sample Description	Sample Location	Approx. Size	Sample Condition	Physical Damage	Water Damage	Material Disturb	Sample Integrity
11	M	WALLBOARD/JOINT COMPOUND	THROUGHOUT THE WALLS AND CEILING INSIDE BLDGS A 1075, 1095 AND 1450 BEHIND PLASTER	24.342	P	Y	Y	H	F
12	M	u	u	IA					
13	M	u	u	IA					
14	M	u	u	IA					
15	M	u	u	IA					
16	M	u	u	IA					
17	M	u	u	IA					
18	M	u	u	IA					
19	M	u	u	IA					
20	M	u	u	IA					

Material Class: Friability: NF=Category I or Category II Non-Friable Material (Material that, when dry, may not be crumbled, pulverized, or reduced to powder by hand pressure.) F=Material that may be crumbled, pulverized, or reduced to powder by hand pressure when dry.
Sampling Method: T=Thermal Deposition (TSI) M=Miscellaneous Materials
Transferred By: [Signature] Date: 8/13/14 Received By: [Signature] Date: 8/13/14

10097 Cleary Boulevard • #305 • Plantation, FL 33324 • Toll Free: 877-227-2401 • Phone: 954-227-2402 • Fax: 866-816-5110

Today's Date: 8/14/2014

Project Number: 20142092

Page 17 of 22

Prepared For:

Job Site:

Lori Soto
City Of Miami
444 South West 2nd Avenue
Miami FL 33130

Residential Dwellings
1301 North West 111th Street
1115 North East 13th Avenue
1075 North East 149th Street
1095 North East 149th Street
14950 North East 11th Avenue
Miami, FL

Asbestos Survey — Technician Chain of Custody Forms and Field Notes

ARS ENVIRONMENTAL, INC.
CHAIN OF CUSTODY

Page 3 Of 4
PLM Analysis: Asbestos Bulk Samples

Positive Stop Requested
Point Count Requested On Friable Materials That Report Less Than 1%

Turnaround Time Requested: Same Day • 24 Hour • 48 Hour • 72 Hour

Sampling Date: 8/13/14

Project Location: APARTMENT BLDGS. (QUADRUPLES)

Samples Taken By: J. MONTALVAN

1301 NE 111 ST, 1115 NE 13 AVE, 1075, 1095 NE 149 ST, 14950 NE 11 AVE

Project Number: 2014-2092

INT
 EXT
 ROOF

MIAMI FL

Sample Layer	Material Class	Sample Description	Sample Location	Approx. Size	Sample Condition	Physical Damage	Water Damage	Material Control	Sample Integrity
21	M	1X1 BEIGE FLOOR TILES & MORTAR	TAPER EDGES OF THE FLOORS INSIDE BLDG #1301.	1872'	G	N	N	H	NF
22	M	" "	" "	EA					
23	M	" "	" "	EA					
24	M	" "	" "	EA					
25	M	" "	" "	EA	✓	✓	✓	✓	✓
26	M	WALLBOARD / JOINT COMPOUND	THROUGHOUT THE WALLS AND CEILING'S INSIDE BLDGS 1301-1115.	9.748	P	Y	N	H	F
27	M	" "	" "	EA					
28	M	" "	" "	EA					
29	M	" "	" "	EA					
30	M	" "	" "	EA	✓	✓	✓	✓	✓

Material Class: S=Surfacing Materials To Thermal Insulation (TSI) M=Miscellaneous Materials
 Integrity: NF=Category I or Category II Non-Friable Material (Weighted Avg. when dry, may not be crumbled, pulverized, or reduced to powder by hand pressure.) F=Material that may be crumbled, pulverized, or reduced to powder by hand pressure when dry.

Transferred By: [Signature] Date: 8/13/14 Received By: [Signature] Date: 8/13/14

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Asbestos Survey — Technician Chain of Custody Forms and Field Notes

ARS ENVIRONMENTAL, INC.
CHAIN OF CUSTODY

Page 4

Of 4

PLM Analysis: Asbestos Bulk Samples

Positive Slip Requested
Point Count Requested On Friable Materials That Report Less Than 1%

Turnaround Time Requested: Same Day • 24 Hour • 48 Hour • 72 Hour

Sampling Date: 8/13/14

Project Location: APARTMENT BLDGS. (QUADRUPLES)
1301 NE 111 ST, 1115 NE 13 AVE, 1075, 1095 NE 149 ST, 14950 NE 11 AVE

Samples Taken By: J. MONTAWAN

Project Number: 2014-2092

INT
 EXT
 ROOF

MIAMI FL

Sample Layer	Material Class	Sample Description	Sample Location	Approx. Size	Sample Condition	Physical Damage	Water Damage	Material Control	Sample Integrity
31	M	CONCRETE STRUCTURE	TERRAZZO ON THE FLOORS AND EXT. WALLS OF THESE BLDG.	21,200'	G	N	N	H	NF
32	M	" "	" "	JA					
33	M	" "	" "	JA					
34	M	" "	" "	JA					
35	M	" "	" "	JA	↓	↓	↓	↓	↓
36	M	ROOF MATERIAL (SHINGLES)	OVER BLDG 14950 AND 1075	7,500'	F	Y	Y	L	NF
37	M	" "	" "	JA	↓	↓	↓	↓	↓
		YELLOW FIBERGLASS INSULATION CERAMIC TILES, TERRAZZO FLOORS, NOT TYPICAL SUSPECT MATERIAL.	OBSERVED BEHIND THE WALLS WOOD AND METAL OBSERVED						

Material Class:

S-Building Materials To Thermal Insulation (TSI) M-Miscellaneous Materials

Integrity: NF-Category I or Category II Non-Friable Material (Material that, when dry, may not be crumbled, pulverized, or reduced to powder by hand pressure.) F-(Material that may be crumbled, pulverized, or reduced to powder by hand pressure when dry.)

Transferred By: [Signature]

Date: 8/13/14

Received By: [Signature]

Date: 8/13/14

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Asbestos Survey — Laboratory Results

8/14/2014



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Asbestos Business License #ZA-0000164

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Today's Date: 8/14/2014

Project Number: 20142092

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Miami, Fl

Laboratory Analysis

Sample Number	Gross Description	Estimated Asbestos Percentage	Non-asbestos % Fibers	Non-fibrous % Materials
1	Plaster	No Asbestos Detected		100%
2	Plaster	No Asbestos Detected		100%
3	Plaster	No Asbestos Detected		100%
4	Plaster	No Asbestos Detected		100%
5	Plaster	No Asbestos Detected		100%
6	Plaster	No Asbestos Detected		100%
7	Plaster	No Asbestos Detected		100%
8	Plaster	No Asbestos Detected		100%
9	Plaster	No Asbestos Detected		100%
10	Plaster	No Asbestos Detected		100%

Alex Front,
Analyst

Asbestos Survey — Laboratory Results

8/14/2014



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Miami, Fl

Laboratory Analysis

Sample Number	Gross Description	Estimated Asbestos Percentage	Non-asbestos % Fibers	Non-fibrous % Materials
11	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 10% Glass	60%
12	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 10% Glass	60%
13	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 10% Glass	60%
14	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 10% Glass	60%
15	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 10% Glass	60%
16	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 10% Glass	60%
17	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 10% Glass	60%
18	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 10% Glass	60%
19	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 10% Glass	60%
20	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 10% Glass	60%

Alex Front,
Analyst

Asbestos Survey — Laboratory Results



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Today's Date: 8/14/2014 **Project Number: 20142092** Page 3 of 4

Prepared For:	Job Site:
Lori Soto City Of Miami 444 South West 2nd Avenue Miami Fl 33130	Residential Dwellings 1301 North West 111th Street 1115 North East 13th Avenue 1075 North East 149th Street 1095 North East 149th Street 14950 North East 11th Avenue Miami, Fl

Laboratory Analysis

Sample Number	Gross Description	Estimated Asbestos Percentage	Non-asbestos % Fibers	Non-fibrous % Materials
21	Floor Tile	No Asbestos Detected		100%
	Mastic	No Asbestos Detected	10% Cellulose	90%
22	Floor Tile	No Asbestos Detected		100%
	Mastic	No Asbestos Detected	10% Cellulose	90%
23	Floor Tile	No Asbestos Detected		100%
	Mastic	No Asbestos Detected	10% Cellulose	90%
24	Floor Tile	No Asbestos Detected		100%
	Mastic	No Asbestos Detected	10% Cellulose	90%
25	Floor Tile	No Asbestos Detected		100%
	Mastic	No Asbestos Detected	10% Cellulose	90%
26	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 20% Glass	50%
27	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 20% Glass	50%
28	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 20% Glass	50%
29	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 20% Glass	50%
30	Drywall / Joint Compound	No Asbestos Detected	30% Cellulose 20% Glass	50%

Alex Front,
Analyst

Asbestos Survey — Laboratory Results

8/14/2014



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Miami, Fl

Laboratory Analysis

Sample Number	Gross Description	Estimated Asbestos Percentage	Non-asbestos % Fibers	Non-fibrous % Materials
31	Concrete	No Asbestos Detected		100%
32	Concrete	No Asbestos Detected		100%
33	Concrete	No Asbestos Detected		100%
34	Concrete	No Asbestos Detected		100%
35	Concrete	No Asbestos Detected		100%
36	Shingles	No Asbestos Detected	55% Glass 20% Cellulose	25%
37	Shingles	No Asbestos Detected	55% Glass 20% Cellulose	25%

Alex Front,
Analyst