

Today's Date: 5/27/2016

Project Number: 20160428

Page 1 of 18

Prepared For:

Diana M Wolfson
Hallandale Beach Community Redevelopment Agency
400 South Federal Highway
Hallandale beach, FL 33009

Job Site:

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hallandale Beach, FL

Asbestos Survey — Project Summary

Pursuant to your request; ARS Environmental, Inc., has performed an Asbestos Building Survey on 5/24/2016 and limited to the above referenced location.

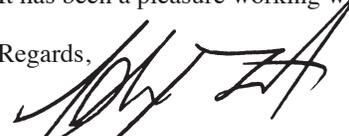
The **Interior/Exterior/Roof** of the above referenced location was visually inspected to identify building materials that may contain asbestos. Suspect materials were collected and samples sent to laboratory for analysis.

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.

Today's Date: 5/27/2016

Project Number: 20160428

Page 2 of 18

Prepared For:

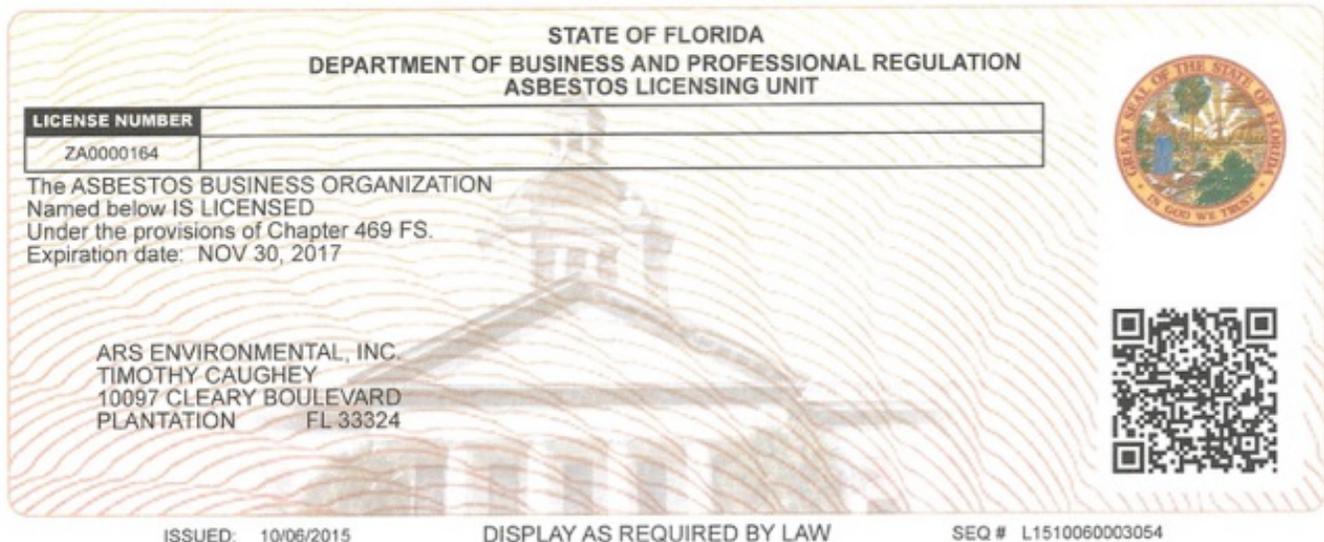
Diana M Wolfson
Hallandale Beach Community Redevelopment Agency
400 South Federal Highway
Hallandale beach, FL 33009

Job Site:

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hallandale Beach, FL

Asbestos Survey — Certification

I hereby certify that this asbestos survey was conducted at the above referenced Job Site on 5/24/2016, and performed by Ariel Hamilton, 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.



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

Today's Date: 5/27/2016

Project Number: 20160428

Page 3 of 18

Prepared For:

Job Site:

Diana M Wolfson
Hallandale Beach Community Redevelopment Agency
400 South Federal Highway
Hallandale beach, FL 33009

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hallandale Beach, FL

Asbestos Survey — Technician Certification



Ariel Hamilton
AHERA Building Inspector
ARS Environmental, Inc.

Prepared For: Diana M Wolfson Hallandale Beach Community Redevelopment Agency 400 South Federal Highway Hallandale beach, FL 33009	Job Site: PO 20160949-00 Vacant Two Story Apartment Building 110 North West 5th Street Hallandale Beach, FL
------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------

Asbestos Survey – Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Asbestos Detected
Sample 1	Surfacing Material	Good	None	None	High	Friable	12,788 sq. ft.	Asbestos Not Detected
Layer	Interior Plaster Coat	Throughout building.						
Sample 2	Surfacing Material	Good	None	None	High	Friable	Included Above	Asbestos Not Detected
Layer	Interior Plaster Coat	Throughout building.						
Sample 3	Surfacing Material	Good	None	None	High	Friable	Included Above	Asbestos Not Detected
Layer	Interior Plaster Coat	Throughout building.						
Sample 4	Surfacing Material	Good	None	None	High	Friable	Included Above	Asbestos Not Detected
Layer	Interior Plaster Coat	Throughout building.						
Sample 5	Surfacing Material	Good	None	None	High	Friable	Included Above	Asbestos Not Detected
Layer	Interior Plaster Coat	Throughout building.						

Insulation observed behind the walls. The following non suspect materials were observed during this inspection (no samples were obtained): carpet, ceramic, fiberglass, glass, metal, wood, terrazzo, window mounted a/c.

Prepared For: Diana M Wolfson Hallandale Beach Community Redevelopment Agency 400 South Federal Highway Hallandale beach, FL 33009	Job Site: PO 20160949-00 Vacant Two Story Apartment Building 110 North West 5th Street Hallandale Beach, FL
------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------

Asbestos Survey – Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Asbestos Detected
6	Surfacing Material	Good	None	None	High	Friable	12,788 sq. ft.	Asbestos Not Detected
Layer	Wallboard/Joint Compound	Throughout building under interior plaster coat.						
7	Surfacing Material	Good	None	None	High	Friable	Included Above	Asbestos Not Detected
Layer	Wallboard/Joint Compound	Throughout building under interior plaster coat.						
8	Surfacing Material	Good	None	None	High	Friable	Included Above	Asbestos Not Detected
Layer	Wallboard/Joint Compound	Throughout building under interior plaster coat.						
9	Surfacing Material	Good	None	None	High	Friable	Included Above	Asbestos Not Detected
Layer	Wallboard/Joint Compound	Throughout building under interior plaster coat.						
10	Surfacing Material	Good	None	None	High	Friable	Included Above	Asbestos Not Detected
Layer	Wallboard/Joint Compound	Throughout building under interior plaster coat.						

Insulation observed behind the walls. The following non suspect materials were observed during this inspection (no samples were obtained): carpet, ceramic, fiberglass, glass, metal, wood, terrazzo, window mounted a/c.

Prepared For: Diana M Wolfson Hallandale Beach Community Redevelopment Agency 400 South Federal Highway Hallandale beach, FL 33009	Job Site: PO 20160949-00 Vacant Two Story Apartment Building 110 North West 5th Street Hallandale Beach, FL
------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------

Asbestos Survey – Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Asbestos Detected
Sample 11	Surfacing Material	Good	None	None	Low	Friable	450 sq. ft.	Asbestos Not Detected
Layer	Spray Applied Ceiling Texture; Popcorn	Throughout apartment 124.						
Sample 12	Surfacing Material	Good	None	None	Low	Friable	Included Above	Asbestos Not Detected
Layer	Spray Applied Ceiling Texture; Popcorn	Throughout apartment 124.						
Sample 13	Surfacing Material	Good	None	None	Low	Friable	Included Above	Asbestos Not Detected
Layer	Spray Applied Ceiling Texture; Popcorn	Throughout apartment 124.						
Sample 14	Miscellaneous	Good	None	None	High	Non-friable	5,500 sq. ft.	Asbestos Not Detected
Layer	Ceramic Tile Grout	Throughout building.						
Sample 15	Miscellaneous	Good	None	None	High	Non-friable	Included Above	Asbestos Not Detected
Layer	Ceramic Tile Grout	Throughout building.						

Insulation observed behind the walls. The following non suspect materials were observed during this inspection (no samples were obtained): carpet, ceramic, fiberglass, glass, metal, wood, terrazzo, window mounted a/c.

Today's Date: **5/27/2016** Project Number: **20160428** Page 7 of 18

Prepared For:	Job Site:
Diana M Wolfson	PO 20160949-00
Hallandale Beach Community Redevelopment Agency	Vacant Two Story Apartment Building
400 South Federal Highway	110 North West 5th Street
Hallandale beach, FL 33009	Hallandale Beach, FL

Asbestos Survey – Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Asbestos Detected
Sample 16	Miscellaneous	Good	None	None	High	Non-friable	Included Above	Asbestos Not Detected
Layer	Ceramic Tile Grout	Throughout building.						
Sample 17	Miscellaneous	Good	None	None	High	Non-friable	7,420 sq. ft.	Asbestos Not Detected
Layer	12" x 12" Floor Tiles; Beige and Yellow Mastic	Throughout building under ceramic tiles and wooden panels.						
Sample 18	Miscellaneous	Good	None	None	High	Non-friable	Included Above	Asbestos Not Detected
Layer	12" x 12" Floor Tiles; Beige and Yellow Mastic	Throughout building under ceramic tiles and wooden panels.						
Sample 19	Miscellaneous	Good	None	None	High	Non-friable	Included Above	Asbestos Not Detected
Layer	12" x 12" Floor Tiles; Beige and Yellow Mastic	Throughout building under ceramic tiles and wooden panels.						
Sample 20	Miscellaneous	Good	None	None	High	Non-friable	Included Above	Asbestos Not Detected
Layer	12" x 12" Floor Tiles; Beige and Yellow Mastic	Throughout building under ceramic tiles and wooden panels.						

Insulation observed behind the walls. The following non suspect materials were observed during this inspection (no samples were obtained): carpet, ceramic, fiberglass, glass, metal, wood, terrazzo, window mounted a/c.

Prepared For: Diana M Wolfson Hallandale Beach Community Redevelopment Agency 400 South Federal Highway Hallandale beach, FL 33009	Job Site: PO 20160949-00 Vacant Two Story Apartment Building 110 North West 5th Street Hallandale Beach, FL
-------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------

Asbestos Survey — Bulk Sample Itemization

Sample Number	Material Class / Sample Description / Location	Sample Condition	Physical Damage	Water Damage	Material Contact	Sample Friability	Approximate Size	Asbestos Detected
21	Miscellaneous	Good	None	None	High	Non-friable	9,530 sq. ft.	Asbestos Not Detected
Layer	Interior/Exterior Concrete Structure	Throughout building.						
22	Miscellaneous	Good	None	None	Low	Non-friable	4,380 sq. ft.	Asbestos Not Detected
Layer	Roof Material; Shingles	Over building.						

Insulation observed behind the walls. The following non suspect materials were observed during this inspection (no samples were obtained): carpet, ceramic, fiberglass, glass, metal, wood, terrazzo, window mounted a/c.

Today's Date: **5/27/2016**

Project Number: **20160428**

Page 9 of 18

Prepared For:

Job Site:

Diana M Wolfson
Hallandale Beach Community Redevelopment Agency
400 South Federal Highway
Hallandale beach, FL 33009

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hallandale Beach, FL

Friable Asbestos Containing Material

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

Today's Date: 5/27/2016

Project Number: 20160428

Page 10 of 18

Prepared For:

Job Site:

Diana M Wolfson
Hallandale Beach Community Redevelopment Agency
400 South Federal Highway
Hallandale beach, FL 33009

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hallandale Beach, FL

Category I - Non-Friable Asbestos Containing Material

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.

Today's Date: 5/27/2016

Project Number: 20160428

Page 11 of 18

Prepared For:

Job Site:

Diana M Wolfson
Hallandale Beach Community Redevelopment Agency
400 South Federal Highway
Hallandale beach, FL 33009

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hallandale Beach, FL

Category II - Non-Friable Asbestos Containing Material

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.

Today's Date: 5/27/2016

Project Number: 20160428

Page 13 of 18

Prepared For:

Job Site:

Diana M Wolfson
Hollandale Beach Community Redevelopment Agency
400 South Federal Highway
Hollandale beach, FL 33009

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hollandale Beach, FL

Asbestos Survey — Technician Chain of Custody Forms and Field Notes

p.2

18668165110

Ghg

May 26 '16 05:28p

ASBESTOS WORKSHEET (CHAIN OF CUSTODY FORM) Page 1 of 3

Sampling Date: 5-24-16 Non Suspect Materials Observed

Samples Taken By: A. HAMILTON Carpet Metal Ceramic Rubber Fiberglass Terrazzo Glass Wood Window Mounted A/C Rubberized Roofing

Project Number: 2016-0428 Job Site: VACANT 2 STORY APARTMENT Bldg.

Turnaround Same Day 24 Hour 48 Hour 72 Hour Job Site: 110 N.W. 5th STREET.

PLM Analysis: Asbestos Bulk Samples Job Site: HALLANDALE BEACH, FL

Positive stop Point count on friable materials that report less than 1% ARS Environmental, Inc. 10097 Cleary Blvd., #305 Plantation, FL 33324 Phone 954-227-2402

Areas Surveyed YES NO

Interior Exterior Roof AC duct fiberglass insulation observed Insulation observed behind walls

Sample No.	Layer	Material Class	Miscellaneous - M Surfacing Material - S Thermal System Insulation - T	Bldg/Floor/Unit	Location	Approx Size	Condition					F or NF
							Good-G Fair-F Poor-P	Yes-Y None-N	Yes-Y None-N	None-N Low-L Med-M High-H	Friable or Nonfriable	
1	S	INTERIOR PLASTER COAT.			THROUGHOUT BUILDING.	12,788'	G	N	N	H	F	
2	S	" "			" "	12,788'	G	N	N	H	F	
3	S	" "			" "	12,788'	G	N	N	H	F	
4	S	" "			" "	12,788'	G	N	N	H	F	
5	S	" "			" "	12,788'	G	N	N	H	F	
6	S	WALL BOARD/JOINT COMPOUND.			THROUGHOUT BUILDING UNDER INTERIOR PLASTER COAT.	12,788'	G	N	N	H	F	
7	S	" "			" "	12,788'	G	N	N	H	F	
8	S	" "			" "	12,788'	G	N	N	H	F	
9	S	" "			" "	12,788'	G	N	N	H	F	
10	S	" "			" "	12,788'	G	N	N	H	F	

Transferred By: Andy J. Bennett Date: 5-24-16 Received By: Alex Front Date: 5/25/16

Today's Date: 5/27/2016

Project Number: 20160428

Page 14 of 18

Prepared For:

Job Site:

Diana M Wolfson
Hallandale Beach Community Redevelopment Agency
400 South Federal Highway
Hallandale beach, FL 33009

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hallandale Beach, FL

Asbestos Survey — Technician Chain of Custody Forms and Field Notes

ASBESTOS WORKSHEET (CHAIN OF CUSTODY FORM)

Page 2 of 3

Sampling Date: 5-25-16

Non Suspect Materials Observed

Job Site: VACANT 2 STORY APARTMENT Bldg.

Samples Taken By: A. HAMILTON

- Carpet
- Ceramic
- Fiberglass
- Glass
- Window Mounted A/C
- Rubberized Roofing
- Metal
- Rubber
- Terrazzo
- Wood

110 N.W. 5th STREET.

Project Number: 2016-0428

HALLANDALE BEACH, FL

- Turnaround
- Same Day
 - 24 Hour
 - 48 Hour
 - 72 Hour

PLM Analysis: Asbestos Bulk Samples
 Positive stop
 Point count on friable materials that report less than 1%

ARS Environmental, Inc.
10097 Cleary Blvd., #305
Plantation, FL 33324
Phone 954-227-2402

Areas Surveyed

YES NO

- Interior
- Exterior
- Roof

- AC duct fiberglass insulation observed
- Insulation observed behind walls

Sample No.	Layer	Material Class	Sample Description	Bldg/Floor/Unit	Location	Approx Size	Good-Fair-Poor	Yes-Y None-N	Yes-Y None-N	None-N Low-L Med-M High-H	For NF
							Cond.	Phys Dmg	Water Dmg	Material Contact	Friable or Nonfriable
11	S		SPRAYED APPLIED CEILING TEXTURE.		THROUGHOUT APARTMENT 124.	450'	G	N	N	L	F
12	S		" "		" "	IA	G	N	N	L	F
13	S		" "		" "	IA	G	N	N	L	F
14	M		CERAMIC TILES grout.		THROUGHOUT BUILDING.	5,500'	G	N	N	H	NF
15	M		" "		" "	IA	G	N	N	H	NF
16	M		" "		" "	IA	G	N	N	H	NF
17	M		1X1 BEIGE FLOOR TILES AND YELLOW MASTIC.		THROUGHOUT BUILDING UNDER CERAMIC TILES AND WOODEN PANELS.	7,400'	G	N	N	H	NF
18	M		" "		" "	IA	G	N	N	H	NF
19	M		" "		" "	IA	G	N	N	H	NF
20	M		" "		" "	IA	G	N	N	H	NF

Transferred By: Ariel Y. Hamelt

Date: 5-24-16

Received By: Alex Front

Date: 5/28/16

p.3

18668165110

Ghg

May 26 16 05:28p

Asbestos Survey — Laboratory Results



Environmental Consulting Services
Asbestos Business License #ZA-0000164

Asbestos Consulting • Radon Measurements • Lead Assessments • Indoor Air Quality Testing • Mold Investigations

Today's Date: 5/27/2016

Project Number: 20160428

Page 1 of 3

Prepared For:

Diana M Wolfson
Hallandale Beach Community Redevelopment Agency
400 South Federal Highway
Hallandale beach, FL 33009

Job Site:

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hallandale Beach, FL

Laboratory Analysis

Sample Number	Layer 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		Drywall / Joint Compound	No asbestos detected	30% cellulose 10% glass	60%
7		Drywall / Joint Compound	No asbestos detected	30% cellulose 10% glass	60%
8		Drywall / Joint Compound	No asbestos detected	30% cellulose 10% glass	60%
9		Drywall / Joint Compound	No asbestos detected	30% cellulose 10% glass	60%
10		Drywall / Joint Compound	No asbestos detected	30% cellulose 10% glass	60%

Alex Front, Analyst

Asbestos Survey — Laboratory Results



Environmental Consulting Services
Asbestos Business License #ZA-0000164

Asbestos Consulting • Radon Measurements • Lead Assessments • Indoor Air Quality Testing • Mold Investigations

Today's Date: 5/27/2016

Project Number: 20160428

Page 2 of 3

Prepared For:

Diana M Wolfson
Hallandale Beach Community Redevelopment Agency
400 South Federal Highway
Hallandale beach, FL 33009

Job Site:

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hallandale Beach, FL

Laboratory Analysis

Sample Number	Layer Number	Gross Description	Estimated Asbestos Percentage	Non-asbestos % Fibers	Non-fibrous % Materials
11		Popcorn	No asbestos detected		100%
12		Popcorn	No asbestos detected		100%
13		Popcorn	No asbestos detected		100%
14		Concrete	No asbestos detected		100%
15		Concrete	No asbestos detected		100%
16		Concrete	No asbestos detected		100%
17	A	Floor Tile	No asbestos detected		100%
17	B	Mastic	No asbestos detected	10% cellulose	90%
18	A	Floor Tile	No asbestos detected		100%
18	B	Mastic	No asbestos detected	10% cellulose	90%

Alex Front, Analyst

Asbestos Survey — Laboratory Results



Environmental Consulting Services
Asbestos Business License #ZA-0000164

Asbestos Consulting • Radon Measurements • Lead Assessments • Indoor Air Quality Testing • Mold Investigations

Today's Date: 5/27/2016

Project Number: 20160428

Page 3 of 3

Prepared For:

Diana M Wolfson
Hallandale Beach Community Redevelopment Agency
400 South Federal Highway
Hallandale beach, FL 33009

Job Site:

PO 20160949-00
Vacant Two Story Apartment Building
110 North West 5th Street
Hallandale Beach, FL

Laboratory Analysis

Sample Number	Layer Number	Gross Description	Estimated Asbestos Percentage	Non-asbestos % Fibers	Non-fibrous % Materials
19	A	Floor Tile	No asbestos detected		100%
19	B	Mastic	No asbestos detected	10% cellulose	90%
20	A	Floor Tile	No asbestos detected		100%
20	B	Mastic	No asbestos detected	10% cellulose	90%
21		Concrete	No asbestos detected		100%
22		Shingles	No asbestos detected	55% glass 10% cellulose	35%

Alex Front, Analyst