

Addendum Date: October 16, 2019

CITY OF PENSACOLA, FLORIDA

ADDENDUM #1
TO THE INVITATION TO BID

DEMOLITION FOR HITZMAN-OPTIMIST PARK IMPROVEMENTS

BID NO.: 20-005

The following items take precedence over the documents for the above named items. All other terms and conditions shall remain the same.

**PLEASE RETURN A COPY OF THIS ADDENDUM WITH YOUR SUBMITTAL AS
ACKNOWLEDGEMENT.**

Company:_____

Date:_____

Authorized
Representative:_____
(Printed Name)

Title:_____

Signature:_____

1. Attached is the Asbestos Containing Materials Survey
2. Required Licensure to Bid
Florida Building Contractor or
Florida General Contractor or
Florida Specialty Demolition Contractor

ASBESTOS CONTAINING MATERIALS SURVEY



Northeast Branch YMCA
3215 Langley Avenue
Pensacola, Escambia County, Florida

PREPARED FOR:

Mott MacDonald
220 West Garden Street
Suite 700
Pensacola, Florida 32502

NOVA Project Number: 10116-3019011; Phase 02

July 17, 2019



July 17, 2019

MOTT MACDONALD
220 West Garden Avenue
Suite 700
Pensacola, Florida 32502

Attention: Ms. Amber Kirk

Subject: Pre-Demolition Asbestos Survey
NORTHEAST BRANCH YMCA
SHOWER BUILDING & HANGER BUILDING
3215 LANGLEY AVENUE
Pensacola, Escambia County, Florida
NOVA Project Number 10116-3019011; Phase 02

Dear Ms. Kirk:

NOVA Engineering and Environmental LLC (NOVA) has completed the Pre-Demolition Asbestos Containing Materials (ACMs) Survey for the buildings located at 3215 Langley Avenue in Pensacola, Escambia County, Florida (Subject Property). We appreciate your selection of NOVA and for the opportunity to be of service on this project. Please feel free to contact us if you have any questions or if we may be of further assistance.

Sincerely,
NOVA Engineering and Environmental LLC

A handwritten signature in blue ink, appearing to read "Mark Bottorff", with a stylized flourish at the end.

Mark C. Bottorff
Accredited Asbestos Inspector

A handwritten signature in black ink, appearing to read "Larry G. Schmaltz", with a long, horizontal flourish extending to the right.

Larry G. Schmaltz, P.E., G.C.
Florida Licensed Asbestos
Consultant (#AX009)

Copies Submitted: Addressee (electronic)

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1.0 SUMMARY

A summary of our findings is presented below. This summary is provided for convenience and should not be substituted for review of the full report, including all attachments as provided herein.

1.1 ASBESTOS

During this study, sixty-nine (69) samples of building materials, including floor tile, cove base, carpet adhesive, ceiling materials and wall materials were collected by NOVA. The samples were subsequently transported (following routine industry practices and chain-of-custody procedures) to Arrowhead Technologies, LLC and analyzed using Polarized Light Microscopy (PLM), with **five (5)** of the analyzed homogeneous samples indicating asbestos containing materials (ACM).

- **HSAs: 2,3,4,5,13 – Black Mastic on 1st Floor (Hanger Building)**

Following is a table containing a summary of samples that were collected during the survey:

Hanger Building (Large Building)

HSA	Sample Number	Material Type & Location (1)	PLM Analysis	Estimated Quantity	*EPA Cat.
1	(1-3)	2'x4' Ceiling Tile: White with Pocks and Pinholes – Classroom, Lobby Area	ND	4,000 Square Feet	N/A
2	(1-3)	12"x12" Floor Tile: Gray with Feather Pattern – 1 st Floor Lobby and Classroom	Tile – ND Yellow Mastic – ND Blk Mastic – 5% Chr.	4,660 Square Feet	NF-I
3	(1-3)	12"x12" Floor Tile: White with Blue and Red Streaks – 1 st Floor Print Room and Nathan's Office	Tile – ND Yellow Mastic – ND Blk Mastic – 5% Chr.	180 Square Feet	NF-I
4	(1-3)	12"x12" Floor Tile: White with Black Streaks – 1 st Floor Closets	Tile – ND Blk Mastic – 5% Chr.	100 Square Feet	NF-I
5	(1-3)	Floor Tile under Carpet – Angela's Office	Tile – ND Blk. Mastic – 5% Chr.	80 Square Feet	NF-I
6	(1-3)	Drywall and Joint Compound – Throughout	ND	3,000 Square Feet	N/A
7	(1-3)	Interior White Building Caulk – Throughout	ND	4 Square Feet	N/A
8	(1-3)	Ceramic Tile and Grout – Entrances and Restrooms	ND	400 Square Feet	N/A
9	(1-3)	Gray Vinyl Cove-Base – 1 st Floor	ND	200 Square Feet	N/A
10	(1-3)	Black Mastic – Steps to 2 nd Floor	ND	300 Square Feet	N/A
11	(1-3)	White Vinyl Cove-Base – 2 nd Floor	ND	300 Square Feet	N/A
12	(1-3)	Carpet Adhesive – 2 nd Floor	ND	5,000 Square Feet	N/A
13	(1-3)	12"x12" Floor Tile: White with Brown Streaks – 1 st Floor Kitchen	Tile – ND Blk. Mastic – 5% Chr.	300 Square Feet	NF-I
14	(1-3)	Popcorn Ceiling Treatment – 1 st Floor Kitchen	ND	300 Square Feet	N/A
15	(1-3)	Concrete and Mortar – Walls Throughout	ND	4,000 Square Feet	N/A
16	(1-3)	Foil-faced Duct Insulation – HVAC Ducts	ND	750 Square Feet	N/A

(*): Neither NOVA nor the client will be held responsible for anyone's use of the estimated quantity. It is suggested that anyone responsible for the project prepare their own quantity estimates.

Shower Building (Small Building)

HSA	Sample Number	Material Type & Location (1)	PLM Analysis	Estimated Quantity	*EPA Cat.
1	(1-3)	Concrete Block and Mortar - Throughout	ND	800 Square Feet	N/A
2	(1-3)	Drywall and Joint Compound - Hall	ND	100 Square Feet	N/A
3	(1-3)	Carpet Adhesive - Maintenance Area	ND	100 Square Feet	N/A
4	(1-3)	Ceramic Tile and Grout - Restrooms & Maintenance Area	ND	300 Square Feet	N/A
5	(1-3)	Roof Material - Main Roof	ND	1,600 Square Feet	N/A
6	(1-3)	Exterior White Caulk - Throughout	ND	2 Square Feet	N/A
7	(1-3)	Asphalt Shingle Roof - Roof	ND	50 Square Feet	N/A

(*): Neither NOVA nor the client will be held responsible for anyone's use of the estimated quantity. It is suggested that anyone responsible for the project prepare their own quantity estimates.

TABLE LEGEND:

HSA:	Homogenous Sampling Area	QUANTITY ESTIMATE:	Estimated Quantity of HSA
PLM ANALYSIS:	Chr. = Chrysotile Asbestos Ams. = Amosite Asbestos ND = No Asbestos Detected	EPA CATEGORY:	F = Friable NF-I = Category I Non-Friable NF-II = Category II Non-Friable N/A = Not Applicable

Polarized Light Microscopy (PLM) is commonly used for bulk asbestos identification, but it can identify non-asbestos fibers as asbestos. In an effort to eliminate false positives (and costly unnecessary abatement), samples reported as containing between 1% and 10% asbestos can be analyzed/verified by point count. The alternative is to assume the subject material to be asbestos containing. The Occupational Safety and Health Administration (OSHA) Asbestos Standard for Construction Industry 29 CFR 1926.1101 regulates workplace exposure to asbestos. OSHA does not define Asbestos Containing Material on asbestos content. The OSHA standard requires that employee exposure to airborne asbestos fibers be maintained below 0.1 asbestos fibers per cubic centimeter of air (0.1 f/cc). The OSHA standard classifies construction and maintenance activities, which could disturb ACM, and specifies work practices and precautions which employers must follow when engaging in each class of regulated work. In addition to worker protection, the means and methods necessary for ACM abatement are the sole responsibility of the abatement contractor.

A complete list of suspected ACM samples obtained is also shown in the laboratory report (included in **Appendix C**).

2.0 INTRODUCTION

2.1 DESCRIPTION OF SUBJECT PROPERTY

The entire Subject Property consists of two buildings. It is currently utilized as a YMCA facility which is located at 3215 Langley Avenue, Pensacola, Escambia County, Florida. The buildings vary in size and structure. According to the Escambia County Property Appraiser (ESCPA), the Subject Property's structures are on approximately 5.000 acres. Per the ESCPA it is currently owned by YOUNG MENS CHRISTIAN ASSOCIATION OF NORTHWEST FLORIDA INC and is identified as Reference number 131S292102000001.

The Hanger Building consists of 17,160 square feet and was constructed in 1987. It consists of two levels with an attached playground area. Total interior size is 11,440 square feet.

The Shower Building consists of 1,650 square feet and was constructed in 1965. It consists of one level.

2.2 PURPOSE

As requested by Ms. Amber Kirk of Hatch Mott MacDonald and by The City of Pensacola (CLIENT), the National Emissions Standards for Hazardous Air Pollutants (NESHAPs) Pre-Demolition Asbestos Containing Materials (ACMs) Survey was performed in an effort to identify ACMs at the Subject Property. This work has been performed in general accordance with NOVA Proposal Number 016-30190578 dated June 3, 2019, applicable state and federal regulations, and routine industry practice.

ACM sampling was performed in general accordance with the Asbestos Hazard Emergency Response Act (AHERA) guidelines and ASTM E2356-14, "Standard Practice for Comprehensive Building Asbestos Survey" as a Baseline Survey.

2.3 LIMITATIONS

NOVA has performed the Pre-Demolition Asbestos Containing Materials Survey, which is a limited inquiry into a property's environmental status, with respect to asbestos containing materials, and is not sufficient to discover every potential source of ACMs at the property to be evaluated. No survey can wholly eliminate uncertainty regarding the potential ACMs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for ACMs in connection with a property. The level of inquiry is variable. Not every property will

warrant the same level of assessment for ACMs. Consistent with good commercial or customary practices, the appropriate level of assessment is guided by the type of property subject to assessment, the intended use of the property, the expertise and risk tolerance of the CLIENT, and the information developed over the course of the assessment.

NOVA's findings, opinions, conclusions and recommendations are based on information obtained through visual assessment of surficial conditions in readily accessible areas. It is possible that additional ACMs exist or may subsequently become known that may impact or change the assessment after NOVA's services are complete.

NOVA's assessment represents our professional opinion, only. Therefore, NOVA cannot, under any circumstances, make a statement of warranty or guarantee, expressed or implied, that ACMs are limited to those that are discovered while we were performing the survey.

2.4 USER RELIANCE

NOVA's Pre-Demolition Asbestos Containing Materials Survey, along with the findings and conclusions contained in the report, either in completed form, summary form, or by extraction, is prepared, and intended, for the sole use of **Hatch Mott MacDonald** and **The City of Pensacola** (CLIENT) and therefore may not contain sufficient information for other purposes or parties. The CLIENT is the only intended beneficiary of this report. The contents of NOVA's report will continue to be the property of NOVA. NOVA's report may not be disclosed to, used by, or relied upon by, any person or entity other than the CLIENT without the express written consent of NOVA.

Authorization for disclosure to a third party or authorization for third-party reliance on a final report of any report will be considered by NOVA upon the written request of the CLIENT. NOVA reserves the right to deny authorization to allow disclosure or reliance of NOVA's report to third parties.

3.0 ASBESTOS CONTAINING MATERIALS

3.1 FIELD AND LABORATORY SERVICES

Mr. Mark C. Bottorff, NOVA professional and federal and state certified asbestos inspector (See **Appendix E** for certifications) performed the field work for the Pre-Demolition Asbestos Containing Materials Survey for the Subject Property on July 11, 2019.

3.1.1 ASBESTOS CONTAINING MATERIALS SAMPLING

The building areas were visually assessed by NOVA to identify suspect ACMs, which were then grouped into three categories according to their intended use:

- **Surfacing Materials** such as sprayed-on or troweled fireproofing, acoustical and decorative insulation, textured “popcorn” finishes, paint, stucco, etc.
- **Thermal System Insulation** (TSI), such as pipe, boiler and storage tank insulation, and insulation on ducts, pumps, heat exchangers, and other equipment.
- **Miscellaneous Materials**, such as floor and ceiling tiles, wallboard, asbestos-cement board, siding and other building materials that did not fall into one of the previously mentioned categories.

Where applicable, materials with similar texture, color and general appearance were considered homogeneous for sampling purposes, including visually similar materials on different floors. NOVA’s assessment also included touching representative samples to determine friability, a mechanical classification defined as whether a material can be crumbled, pulverized, or reduced to powder by hand pressure.

Bulk samples were subsequently obtained in general accordance with the AHERA (40 CFR 763.86, Sampling) and ASTM E2356-10 procedures. The samples were placed in appropriate containers, and the containers sealed and labeled with a unique identification number. The samples were subsequently transported (following routine industry practices and chain-of-custody procedures) to Arrowhead Technologies, LLC for analysis.

The ACM samples were analyzed for asbestos using Polarized Light Microscopy (PLM) methods in accordance with EPA Method 600/R-93/116. Copies of the complete asbestos laboratory report and chain-of custody are included in **Appendix C**.

Using the results of the laboratory analysis and NOVA's visual assessment, the asbestos containing building materials can be further categorized into three groups:

- **Friable ACM** – Any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix C, Subpart F, 40 CFR part 763 Section 1, Polarized Light Microscopy, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
- **Category I Nonfriable ACM** - Asbestos-containing packing, gaskets, resilient floor covering, and asphalt roofing products containing more than one percent (1%) asbestos as determined using the method specified in Appendix C, Subpart F, 40 CFR part 763, Section 1, Polarized Light Microscopy.
- **Category II Nonfriable ACM** - Any material, excluding Category I Nonfriable ACM, containing more than one percent (1%) asbestos as determined using the methods specified in Appendix C, Subpart F, 40 CFR part 763, Section 1, Polarized Light Microscopy that, when dry, *cannot* be crumbled, pulverized, or reduced to powder by hand pressure.

A complete list of suspected ACM samples obtained is shown in the laboratory report (included in **Appendix C**).

3.2 ASBESTOS

During this study, sixty-nine (69) samples of building materials, including floor tile, cove base, carpet, adhesive and wall materials were collected by NOVA. The samples were subsequently transported (following routine industry practices and chain-of-custody procedures) to Arrowhead Technologies, LLC and analyzed using Polarized Light Microscopy (PLM), with **five (5)** of the analyzed homogeneous samples indicating asbestos containing materials (ACM).

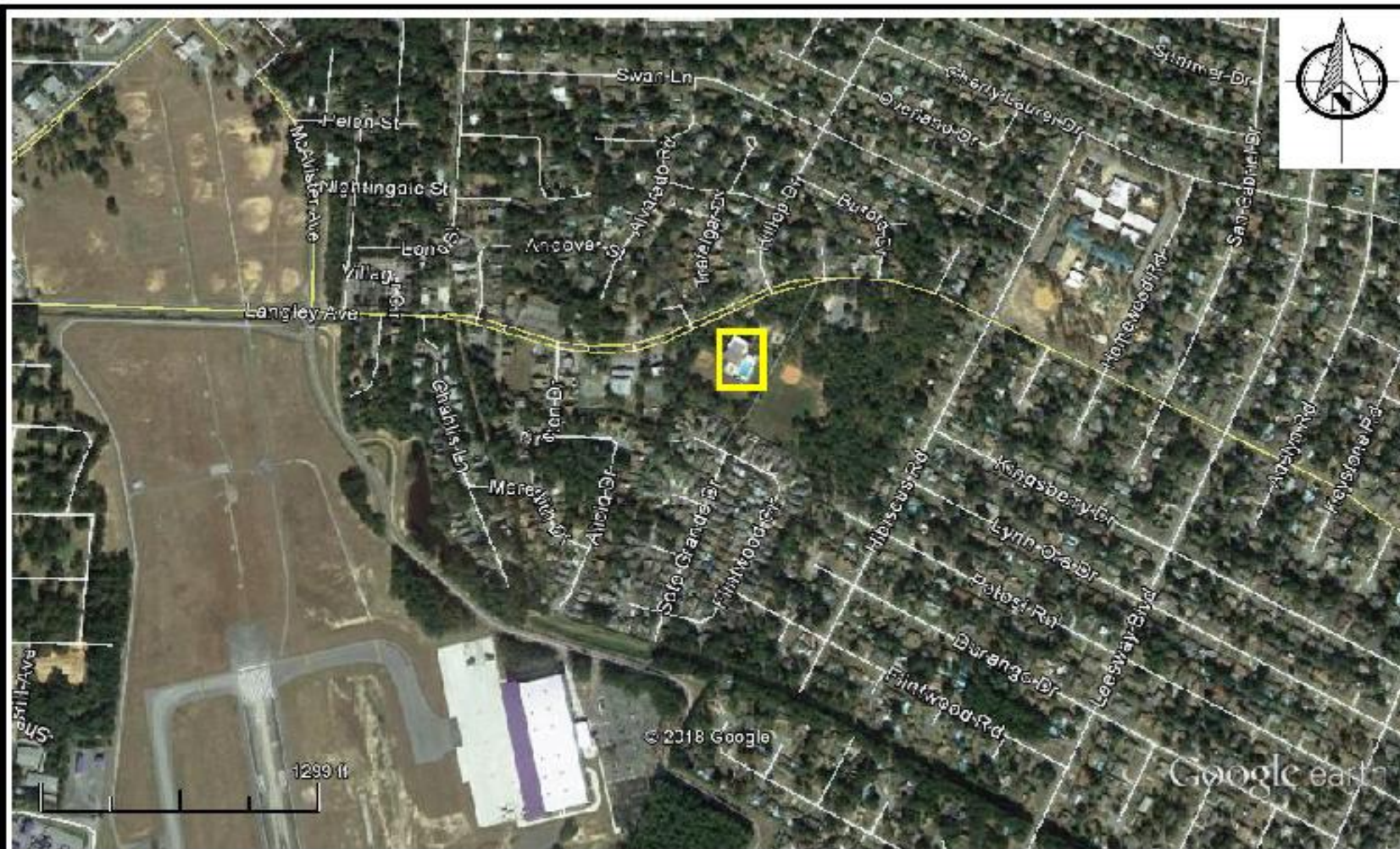
3.3 ASBESTOS ABATEMENT

Any ACMs identified should be handled in accordance with the applicable OSHA and FDEP requirements. Prior to abatement, demolition, or renovation activities, which may disturb ACMs, a written ten (10) working day notification must be submitted to the Florida Department of Environmental Protection, Northwest District. Notifications that do not meet the ten (10) day requirement or are incomplete are considered “improper” and may result in enforcement proceedings. The floor tile and ACM floor mastic may remain in place for a wet demolition. However, if this method is used, the underlying concrete cannot be recycled. Should concrete recycling be desirable, the floor tile and mastic must be removed prior to demolition.

Asbestos abatement contractors must maintain current licensing as required by the Florida Department of Business & Professional Regulation (DBPR) and local jurisdictions for the removal, transportation, disposal, or any other asbestos regulated activity. Please be advised that a copy of this report must be onsite during the renovation of the building, in the event of a regulatory inspection.

APPENDIX A

Map



Scale: Not To Scale
 Date Drawn: July 16, 2019
 Drawn By: M. Bottorff
 Checked By: L. Schmaltz



4524 Oak Fair Blvd., Suite 200
 Tampa, FL 33610
 813-823-3100 • 813-823-3545

NE BRANCH YMCA
 3215 Langley Avenue
 Pensacola, Escambia County, Florida
 NOVA Project Number 10116-3019011 Ph.02

APPENDIX B

Site Photographs



Hanger Building



Hanger Building 1st Floor: Kitchen area with visible Black Mastic

APPENDIX C

Laboratory Data

Shower Building – Small Building

**ARROWHEAD**
TECHNOLOGIES, LLC

3151 San Bernadino St.
Clearwater, Florida 33759
813-679-0720 / mhall005@tampabay.rr.com

PLM REPORT SUMMARY

NVLAP Lab Code 200703-0

Client : Nova Lab Set No. : 006974
Project : 3215 Langley Pensacola - Small Bldg AT Job No. : 19-6974
Client Project No. : 10116-3019011 Report Date : 7/16/2019
Identification : Asbestos, Bulk Sample Analysis Sample Date : 7/11/2019
Test Method : Polarized Light Microscopy / Dispersion Staining (PLM/DS)
EPA Method 600/R-93/116 / EPA Method 600/M4-82-020

Page 1 of 4

On 7/15/2019, twenty-one (21) bulk material samples were submitted by Mark C. Bottorff for asbestos analysis by PLM/DS.
Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006974-001	Concrete Black and Mortar 1-1	None Detected-Dark Grey Concrete Block None Detected-Gray Mortar
006974-002	Concrete Black and Mortar 1-2	None Detected-Dark Grey Concrete Block None Detected-Gray Mortar
006974-003	Concrete Black and Mortar 1-2	None Detected-Dark Grey Concrete Block None Detected-Gray Mortar
006974-004	Drywall and Joint Compound 2-1	None Detected-White Joint Compound None Detected-Tan DW Paper Backing None Detected-White Drywall Material
006974-005	Drywall and Joint Compound 2-2	None Detected-White Joint Compound None Detected-Tan DW Paper Backing None Detected-White Drywall Material
006974-006	Drywall and Joint Compound 2-3	None Detected-White Joint Compound None Detected-Tan DW Paper Backing None Detected-White Drywall Material
006974-007	Carpet Adhesive 3-1	None Detected-Tan Carpet Mastic

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.

**ARROWHEAD**
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Clearwater, Florida 33759
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PLM REPORT SUMMARY

NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	006974
Project :	3215 Langley Pensacola - Small Bldg	AT Job No. :	19-6974
Client Project No.:	10116-3019011	Report Date :	7/16/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/11/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		

Page 2 of 4

On 7/15/2019, twenty-one (21) bulk material samples were submitted by Mark C. Bottorff for asbestos analysis by PLM/DS.
Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006974-008	Carpet Adhesive 3-2	None Detected-Tan Carpet Mastic
006974-009	Carpet Adhesive 3-3	None Detected-Tan Carpet Mastic
006974-010	Ceramic Tile and Grout 4-1	None Detected-Gray Tile Mortar None Detected-Gray Tile Grout
006974-011	Ceramic Tile and Grout 4-2	None Detected-Red Ceramic Tile None Detected-Gray Tile Mortar None Detected-Gray Tile Grout
006974-012	Ceramic Tile and Grout 4-3	None Detected-Red Ceramic Tile None Detected-Gray Tile Mortar None Detected-Gray Tile Grout
006974-013	Roof Material 5-1	None Detected-Black Roof Rubber Mastic
006974-014	Roof Material 5-2	None Detected-Black Roof Rubber Mastic

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.

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PLM REPORT SUMMARY

NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	006974
Project :	3215 Langley Pensacola - Small Bldg	AT Job No. :	19-6974
Client Project No.:	10116-3019011	Report Date :	7/16/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/11/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		

Page 3 of 4

On 7/15/2019, twenty-one (21) bulk material samples were submitted by Mark C. Bottorff for asbestos analysis by PLM/DS.
Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006974-015	Roof Material 5-3	None Detected-Black Roof Rubber Mastic
006974-016	Ext. White Caulk 6-2	None Detected-White Caulking w/ Paint
006974-017	Ext. White Caulk 6-2	None Detected-White Caulking w/ Paint
006974-018	Ext. White Caulk 6-3	None Detected-White Caulking w/ Paint
006974-019	Asphalt Shingle Roof 7-1	None Detected-Black Roofing Shingle
006974-020	Asphalt Shingle Roof 7-2	None Detected-Black Roofing Shingle
006974-021	Asphalt Shingle Roof 7-3	None Detected-Black Roofing Shingle

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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PLM REPORT SUMMARY

NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	006974
Project :	3215 Langley Pensacola - Small Bldg	AT Job No. :	19-6974
Client Project No.:	10116-3019011	Report Date :	7/16/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/11/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		

Page 4 of 4

SCOPE OF THIS REPORT

These samples were obtained as a part of a building survey; this report is only intended to be used as a part of the survey report issued by the surveyor. This report explains the laboratory analysis and results. The surveyor's report explains the sampling protocol used, when the samples were obtained, the location(s) of the samples, where the materials were observed in the building, quantities of materials observed, condition of the materials and the extent of his/her survey. Sample locations and material descriptions are given by the surveyor on the chain of custody but included here (possibly abbreviated) only as a convenience for the reader.

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STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, and the Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA 600/M4-82-020. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Floor tile and other resinously bound materials, when analyzed by the EPA method, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. When a definitive result is required, Arrowhead recommends utilizing alternative methods of identification, including Transmission Electron Microscopy.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst : Charles Merrill

Laboratory Director : Monte Hall, P.G.
Florida Registration No. 1658

Approved Signatory :

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email _____

Client / Owner: NE YMCA

Project and/or Job Number: 10116-3019011

Project Address: 3215 Langley, Pensacola FL (Small Building)

6974

Asbestos Chain of Custody Record

Normal 3 Day ☒ Next Day ☐ Same Day ☐ Immediate ☐

Stop First Positive: Yes ☒ No ☐ (*Receive Cut Off Time: 2pm)

Date: 7/16/19 Contact: Mark Botherff

Phone: 813-365-4596 FAX: _____

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
1	1	Concrete block + Mortar	Ext wall	Throughout	800 ϕ	G	Demo	N
	2		↓					
	3		Int. Wall					
2		Drywall at Joint Compound	Hall	Hall	100 ϕ			N
			↓					
3		Carpet Adhesive	Maintenance	Maintenance Area	~100 ϕ			N
			↓					
4		Ceramic Tile + Grout	Maintenance	Restrooms, Maintenance Area	~300 ϕ			N
			↓					
5		Roof Material	Roof	Roof	500 ϕ			N
			↓					
6		Ext. white Caulk	Trim	Throughout	~2 ϕ	G		N
			↓					
7		Asphalt Shingle Roof	Roof	Roof	~50 ϕ	D		N
			↓					

(G=Good, D=Damaged, SD=Significantly Damaged)

Sampled By: Mark Botherff Date: 7/16/19

Transported By: _____ Date: _____

Special Instructions: _____

Received By / Date:

Arrowhead Tech.

C. Merrill

7/15/2019

Hanger Building – Large Building

**ARROWHEAD**
TECHNOLOGIES, LLC

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Clearwater, Florida 33759
813-679-0720 / mhall005@tampabay.rr.com

PLM REPORT SUMMARY

NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	006975
Project :	3215 Langley Pennsacola - Hangar	AT Job No. :	19-6975
Client Project No.:	10116-301911	Report Date :	7/17/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/11/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		

Page 1 of 8

On 7/15/2019, forty-eight (48) bulk material samples were submitted by Mark C. Bottorff for asbestos analysis by PLM/DS.
Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006975-001	2x4 Ceiling Tile - wht w pocks & pinholes 1-1	None Detected-Wht./Lt Gray Ceiling Tile
006975-002	2x4 Ceiling Tile - wht w pocks & pinholes 1-2	None Detected-Wht./Lt Gray Ceiling Tile
006975-003	2x4 Ceiling Tile - wht w pocks & pinholes 1-3	None Detected-Wht./Lt Gray Ceiling Tile
006975-004	12x12 Gray Feather Pattern w Blk Mastic 2-1	None Detected-Lt. Grey Floor Tile None Detected-Yellow Mastic 5% Chrysotile-Black Mastic
006975-005	12x12 Gray Feather Pattern w Blk Mastic 2-2	Not Analyzed
006975-006	12x12 Gray Feather Pattern w Blk Mastic 2-3	Not Analyzed
006975-007	12x12 White w Blue & Red Streaks w Blk Mastic 3-1	None Detected-White Floor Tile None Detected-Yellow Mastic 5% Chrysotile-Residual Black Mastic

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.

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TECHNOLOGIES, LLC

3151 San Bernadino St.
Clearwater, Florida 33759
813-679-0720 / mhall005@tampabay.rr.com

PLM REPORT SUMMARY

NVLAP Lab Code 200703-0

Client :	Nova	Lab Set No. :	006975
Project :	3215 Langley Pennsacola - Hangar	AT Job No. :	19-6975
Client Project No.:	10116-301911	Report Date :	7/17/2019
Identification :	Asbestos, Bulk Sample Analysis	Sample Date :	7/11/2019
Test Method :	Polarized Light Microscopy / Dispersion Staining (PLM/DS) EPA Method 600/R-93/116 / EPA Method 600/M4-82-020		

Page 2 of 8

On 7/15/2019, forty-eight (48) bulk material samples were submitted by Mark C. Bottorff for asbestos analysis by PLM/DS.
Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006975-008	12x12 White w Blue & Red Streaks w Blk Mastic 3-2	Not Analyzed
006975-009	12x12 White w Blue & Red Streaks w Blk Mastic 3-3	Not Analyzed
006975-010	12x12 White w Black Streaks w Blk Mastic 4-1	None Detected-White Floor Tile 5% Chrysotile-Black Mastic
006975-011	12x12 White w Black Streaks w Blk Mastic 4-2	Not Analyzed
006975-012	12x12 White w Black Streaks w Blk Mastic 4-3	Not Analyzed
006975-013	Tile (under carpet) 5-1	None Detected-White Floor Tile 5% Chrysotile-Black Mastic
006975-014	Tile (under carpet) 5-2	Not Analyzed
006975-015	Tile (under carpet) 5-3	Not Analyzed

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.

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Page 3 of 8

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Lab Sample No.	Sample Description / Location	Asbestos Content
006975-016	Drywall w Joint Compound 6-1	None Detected-White Drywall Material
006975-017	Drywall w Joint Compound 6-2	None Detected-White Drywall Material
006975-018	Drywall w Joint Compound 6-3	None Detected-White Drywall Material
006975-019	White Bldg Caulk 7-1	None Detected-White Caulking
006975-020	White Bldg Caulk 7-2	None Detected-White Caulking
006975-021	White Bldg Caulk 7-3	None Detected-White Caulking
006975-022	Ceramic Tile and Materials 8-1	None Detected-Gray Tile Mortar/Grout
006975-023	Ceramic Tile and Materials 8-2	None Detected-Gray Tile Mortar/Grout

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.

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Page 4 of 8

On 7/15/2019, forty-eight (48) bulk material samples were submitted by Mark C. Bottorff for asbestos analysis by PLM/DS.
Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006975-024	Ceramic Tile and Materials 8-3	None Detected-Gray Tile Mortar/Grout
006975-025	Gray Vinyl Covebase 9-1	None Detected-Grey Baseboard None Detected-Tan Adhesive
006975-026	Gray Vinyl Covebase 9-2	None Detected-Grey Baseboard None Detected-Tan Adhesive
006975-027	Gray Vinyl Covebase 9-3	None Detected-Grey Baseboard None Detected-Tan Adhesive
006975-028	Black Mastic 10-1	None Detected-Black Mastic
006975-029	Black Mastic 10-2	None Detected-Black Mastic
006975-030	Black Mastic 10-3	None Detected-Black Mastic
006975-031	White Vinyl Covebase 11-1	None Detected-White Baseboard None Detected-White Adhesive

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.

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Page 5 of 8

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Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006975-032	White Vinyl Covebase 11-2	None Detected-White Baseboard None Detected-White Adhesive
006975-033	White Vinyl Covebase 11-3	None Detected-White Baseboard None Detected-White Adhesive
006975-034	Carpet Adhesive 12-1	None Detected-Off White Carpet Adhesive
006975-035	Carpet Adhesive 12-2	None Detected-Off White Carpet Adhesive
006975-036	Carpet Adhesive 12-3	None Detected-Off White Carpet Adhesive
006975-037	12x12 White w Brown Streaks w Blk Mastic 13-1	None Detected-White Floor Tile 5% Chrysotile-Black Mastic
006975-038	12x12 White w Brown Streaks w Blk Mastic 13-2	Not Analyzed
006975-039	12x12 White w Brown Streaks w Blk Mastic 13-3	Not Analyzed

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.

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Page 6 of 8

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Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006975-040	Popcorn Ceiling Treatment 14-1	None Detected-Popcorn Ceiling Treat.
006975-041	Popcorn Ceiling Treatment 14-2	None Detected-Popcorn Ceiling Treat.
006975-042	Popcorn Ceiling Treatment 14-3	None Detected-Popcorn Ceiling Treat.
006975-043	Concrete and Mortar 15-1	None Detected-Grey Concrete Block None Detected-Gray Mortar
006975-044	Concrete and Mortar 15-2	None Detected-Grey Concrete Block None Detected-Gray Mortar
006975-045	Concrete and Mortar 15-3	None Detected-Grey Concrete Block None Detected-Gray Mortar
006975-046	Foil Faced Duct Insulation 16-1	None Detected-Foil Wrap None Detected-Pink Glass Insulation
006975-047	Foil Faced Duct Insulation 16-2	None Detected-Foil Wrap None Detected-Pink Glass Insulation

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.

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Page 7 of 8

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Copies of Bulk Sample Analysis sheets are attached; additional information may be found therein. The results are summarized below:

Lab Sample No.	Sample Description / Location	Asbestos Content
006975-048	Foil Faced Duct Insulation 16-3	None Detected-Foil Wrap None Detected-Pink Glass Insulation

These samples were analyzed by layers. Specific layer or component asbestos content is indicated when relevant. The EPA considers a material to be asbestos containing only if it contains more than one percent asbestos by Calibrated Visual Area Estimation (CVAE). EPA regulations also indicate that Regulated Asbestos Containing Materials (RACM) -- materials which are friable or may become friable -- be further analyzed by point counting when the results indicate less than ten percent asbestos by CVAE. Arrowhead utilizes CVAE on a routine basis and does not include point counting unless specifically requested. The results may not be reproduced except in full.



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Page 8 of 8

SCOPE OF THIS REPORT

These samples were obtained as a part of a building survey; this report is only intended to be used as a part of the survey report issued by the surveyor. This report explains the laboratory analysis and results. The surveyor's report explains the sampling protocol used, when the samples were obtained, the location(s) of the samples, where the materials were observed in the building, quantities of materials observed, condition of the materials and the extent of his/her survey. Sample locations and material descriptions are given by the surveyor on the chain of custody but included here (possibly abbreviated) only as a convenience for the reader.

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STATEMENT OF LABORATORY ACCREDITATION

The samples were analyzed in general accordance with the procedures outlined in the Method for the Determination of Asbestos in Bulk Building Materials, EPA/600/R-93/116, and the Interim Method for the Determination of Asbestos in Bulk Insulation Samples, EPA 600/M4-82-020. The results of each bulk sample relate only to the material tested and the results shall not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Floor tile and other resinously bound materials, when analyzed by the EPA method, may yield false negative results because of limitations in separating closely bound fibers and in detecting fibers of small length and diameter. When a definitive result is required, Arrowhead recommends utilizing alternative methods of identification, including Transmission Electron Microscopy.

Specific questions concerning bulk sample results shall be directed to the Laboratory Director.

Analyst : Charles Merrill

Laboratory Director : Monte Hall, P.G.
Florida Registration No. 1658

Approved Signatory :

Company NOVA ENGINEERING & ENVIRONMENTALAddress 4524 Oak Fair Boulevard, Suite 200City / State / Zip Tampa, FL 33610Phone 813-623-3100 FAX 813-623-3545 Email _____Client / Owner NE YUCAProject and/or Job Number: 10116-3019011Project Address: 3215 Landley Peninsula - Harbor Bldg

6975

Asbestos Chain of Custody RecordNormal 3 Day ☒ Next Day ☐ Same Day ☐ Immediate ☐Stop First Positive: Yes ☒ No ☐ (*Receive Cut Off Time: 2pm)Date: 7/11/19 Contact: Mark BottorffPhone: 813-365-4596 FAX: _____Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
1.	1-3	2x4 ceiling tile w/ht. w/packs + Pinholes	Classroom Closet Classroom	Classroom, Replacement Tiles	2000 ϕ	G		Y
2.		12x12 Gray w/ Feather Pattern	Lobby	Lobby, Classroom	1800 ϕ	G		N
3.		12x12 white w/Blue + Red streaks	Print Room	Notha's office, Print Room	180 ϕ			N
4.		12x12 white w/ Black streaks	Closet	Closets, (40 ϕ) (60)	100 ϕ			N
5.		Tile under Carpet (?)	Angela's office	Angela's office (80 ϕ)	80 ϕ			N
6.		Drywall + Joint Compound	Wall	Throughout	3000 ϕ			N
7.		Int. white Bldg Caulk	Closet Area	Throughout	4 ϕ			N
8.		Ceramic Tile + Materials	Entrance	Entrances, RR's	400 ϕ	G		N

G=Good, D=Damaged, SD=Significantly Damaged

Sampled By: Mark BottorffDate: 7/11/19Transported By: Mark BottorffDate: 7/15/19

Special Instructions:

Received By / Date:

Arrowhead Tech.
C. Munnell
7/15/2019

Company NOVA ENGINEERING & ENVIRONMENTAL

Address 4524 Oak Fair Boulevard, Suite 200

City / State / Zip Tampa, FL 33610

Phone 813-623-3100 FAX 813-623-3545 Email _____

Client / Owner: NE SMCA

Project and/or Job Number: 10116-3019011

Project Address: 3215 Langley Ave, Pensacola - (Hanger 869)

6975

Asbestos Chain of Custody Record

Normal 3 Day ☒ Next Day ☐ Same Day ☐ Immediate ☐

Stop First Positive: Yes ☒ No ☐ (*Receive Cut Off Time: 2pm)

Date: 7/11/19 Contact: Mark Botherff

Phone: 813-365-4596 FAX: _____

Email: LABREPORTSENV@USANOVA.COM

HSA	Sample No.	Material Description (include size/color)	Sample Location	Homogeneous Area Locations	Quantity Sq. Ft.	Cond.	Pot. Disturb.	Friable Yes/No
9.	1-3	Gray Vinyl Casework	Floor	Throughout	~ 200 sq ft	G		N
10.		Black Marble on Steps	Steps	Steps	~ 300 sq ft	G		N
11.		White Vinyl Casework	2nd Flr	2nd Flr + Restrooms, Kitchen	~ 300 sq ft	G		N
12.		Carpet Adhesive	2nd Flr	2nd Flr	~ 1000 sq ft	G		N
13.		12x12 White w/ Brown Streaks - over blk. Marble	Kitchen	Kitchen (20 x 15)	~ 300 sq ft	G		N
14.		Popcorn Ceiling Treatment	2nd Damage Kitchen	Kitchen	300 sq ft	D		Y
15.		Concrete + Mortar	Ext. wall	walls	~ 400 sq ft	G		N
16.		Foil Faced Duct Insulation	Duct	NOVA Ducts	~ 750 sq ft	G		Y

G=Good. D=Damaged. SD=Significantly Damaged

Sampled By: Mark Botherff Date: 7/11/19
 Transported By: Mark Botherff Date: 7/15/19
 Special Instructions: _____

Received By / Date:
Arrowhead Tech
C. Merrill
7/15/2019

APPENDIX D

Qualifications of Conclusions



QUALIFICATIONS OF RECOMMENDATIONS

The findings, conclusions and recommendations presented in this report represent our professional opinions concerning the environmental conditions at the site. The opinions presented are relative to the dates of our site work and should not be relied on to represent conditions at later dates or at locations not investigated. The opinions included herein are based on information provided to us, the data obtained at the specific time of the investigation, and our experience with similar sites.

Should conditions or events change, NOVA should be retained to evaluate those changes and their impact to the subject site.

This report is intended for the sole use of Hatch Mott MacDonald and The City of Pensacola only. The scope of work performed for this study was prepared for Hatch Mott MacDonald and The City of Pensacola based on the applicable ASTM standard. Use of this report or the findings, conclusions and recommendations by others will be at the sole risk of the user. NOVA is not responsible or liable for the interpretation by others of the data in this report, nor their conclusions, recommendations or opinions.

Our professional services have been performed, our findings obtained, our conclusions derived and our recommendations prepared in accordance with generally accepted environmental assessment principles and practices in the industry.

APPENDIX E

Certifications

THE ASBESTOS INSTITUTE

Certifies that

Mark Bottorff

has attended and received instruction in the EPA approved course

AHERA Building Inspector Refresher

on

April 10, 2019

and successfully completed and passed the competency exam.

ON-4644-2761-041019

Date of Examination:
10-Apr-2019

Date of Expiration:
10-Apr-2020


William T. Cavness
Director


Approved Instructor

THE ASBESTOS INSTITUTE

20033 N. 19th Ave, Building 6, Phoenix, AZ 85027
602-864-6564 – www.theasbestosinstitute.com

This training meets all requirements for asbestos certification under Toxic Substance Control Act Title II.



RICK SCOTT, GOVERNOR

JONATHAN ZACHEM, 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

SCHMALTZ, LAWRENCE GERARD

4524 OAK FAIR BLVD
SUITE 200
NOVA ENGINEERING AND ENVIRONMENTAL
TAMPA FL 33610

LICENSE NUMBER: AX0000009

EXPIRATION DATE: NOVEMBER 30, 2020

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United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200703-0

Arrowhead Technologies, L.L.C.
Clearwater, FL

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

Asbestos Fiber Analysis

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

2019-01-01 through 2019-12-31
Effective Dates



Dana S. Laman
For the National Voluntary Laboratory Accreditation Program